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AN INDEX TO THE ACARINA COLLECTIONS OF THE WORLD (TO THE FAMILY LEVEL)

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History, Chicago, Illinois 60605

and

Consultant, Medical Zoology Department
United States Naval Medical Research Unit Number Three,
Cairo, Egypt

Special Publication

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PREFACE

Biologists of all classes are dependent upon systematic specialists for the identification and classification of organisms. Both experimental and applied practitioners recognize that knowledge of their biological subjects is as important to them as is familiarity with their equipment, techniques, and modes of interpretation. To systematists, collections are the sine qua non.

In making an identification a systematist usually relies on his previous experience to guide him to the most appropriate recent monograph. In the monograph: keys, descriptions or illustrations will be used to provide a tentative identification for the specimens in question. To make a positive identification the unknowns must be compared to identified specimens and found to be conspecific with them. If suitable identified specimens are in the specialists collection confirmation can be quickly made. If not, references in the monograph can be consulted to determine the location of identified material. Arrangements can then be made for the necessary comparisons.

The publication of Index to Acarina Collections will greatly facilitate work on Acari by making it easier for identifications to be based on proper comparisons. It will also serve as a guide to systematists for the development of more complete and thus more useful collections by means of exchanges of identified material.

I congratulate Dr. Kethley for this splendid contribution to Acarology. Like its companion Acarologists Of The World I predict it will be so helpful that frequent revisions will be demanded.

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INTRODUCTION

The present work was conceived as an extension of the Directory of Acarologists of the World. The purpose is to facilitate communication among new as well as established students of the acari in locating type material and in uncovering large units of unworked material.

The information contained in this index is primarily derived from two sources: individual responses to questionnaires sent during 1970-72, and Acarologists of the World, 9th edition.

The initial mailing list was generated from Acarologists of the World with the assistance of Drs. D. E. Johnston, R. D. Mitchell and G. W. Wharton. This questionnaire contained an explanatory cover letter, a tabular listing of the families and higher categories of acarina, and a list of all individuals and institutions included in the survey. The list of participants was expanded for a second mailing to gather information about collections I had overlooked, and was based upon data provided in the responses to the initial mailing. A repeat mailing was sent in February, 1972 for individuals not responding to the initial mailing. For some collections a detailed report was not available, but information was taken from Acarologists of the World to indicate the general nature of the holdings. Information supplied by the participants facilitated the correction of omissions and errors in the taxonomic listing of acarine groups as well as the up-dating of addresses.

One of the goals in the preparation of this index was to organize information about the location of historically important collections. The general response to the questionnaire was quite good, but I was unable to ascertain the location of the A. A. Zackvatkin collection or even determine whether or not it still exists. It is rumored to have been destroyed.

The index contains information to the family level only. It should be noted that the holdings for the various families is relative, not only in terms of the actual amount of material, but also in terms of the nature of the material (type, determined non-type, and undetermined material). Thus, holdings of only a few species that were represented by the holotype, even in a very large family, warranted inclusion. Entries indicating determined non-type material or undetermined material were made in relationship to the size of the family. Thus, material representing only a very few determined species of a very small family would be included, whereas material representing a small number of determined species in a very large family, may have been omitted by the participant.

In most cases, the entries indicating the holdings of a given collection were submitted to me by the respective participants. In a few instances, a list of determined species was sent to me, and I used my own discretion in compiling their holdings.

Although most entries are at the family level, it should be noted that the entries with the higher categories have very different meanings depending upon the nature of the material. An entry indicating type material or determined non-type material of a superfamily or higher category means that

all families of that group are represented in the collection. Thus, the total space devoted to the acarine holdings of the British Museum (Natural History) page 35, is small, but the collection is extraordinarily rich in type material. However, in contrast an entry indicating undetermined material of a superfamily or higher category means that the material has not been identified to the family level.

The scheme of classification used follows that of Johnston (1968) for the higher categories, Krantz (1970) for most of the superfamilial clusters, and Viets (1961), Cook (1963, 1967) and Smith (1972) for the Hydrachnellaee.

Although numerous works have been published concerning procedures in taxonomy, there is some disagreement among the authors regarding the terminology applied to type material. Many authors have used the terms primary, secondary, tertiary, and supplemental types, while others (Mayr, Simpson) do not. Among those using the terms primary, secondary, etc., type, all have considered the holotype and lectotype to be primary types. There is some disagreement as to what constitutes other type material.

In addition to the holotype and lectotype, Blackwelder considers the neotype to be a primary type; syntypes (cotypes), paralectotypes to be secondary types; paratypes and allotypes to be tertiary types. Richter also considers the neotype and cotypes to be primary types, but regards paratypes and hypotypes to be secondary types. Schenk considers the neotype, syntypes and paratypes as primary types, but reserved secondary types for hypotypes, topotypes and homeotypes. Fernald and Mayr, Linsley and Usinger agree in considering allotypes, paratypes, and syntypes (cotypes) as primary types, but consider the neotype and plesiotypes to be supplemental types.

In the present work, I have used the term primary types to include the following: holotype, lectotype and neotype. The term secondary type(s) is used to cover the following: syntypes (cotypes), paratypes, allotypes and paralectotypes.

I realize that this index has many shortcomings in terms of content and format. Any listing of acarine taxa will be out of date, even in the process of compilation. In the preparation of this listing, I have undoubtedly overlooked some collections. However, no such listing is available at present, and it is hoped that this index will prove useful to acarologists and that it will promote the development of more detailed works by specialists in the future, perhaps at the generic level.

The opinions and assertions contained herein are the private ones of the editor and are not to be construed as official or as reflecting the views of the Department of the Navy, or the naval service at large.

John B. Kethley
Chicago
February 15, 1973

POSTSCRIPT

After this index was prepared, several noteworthy works have appeared that represent substantial progress in our understanding of acarine higher categories. Unfortunately, it is not possible to incorporate these nomenclatural revisions here, due to space constraints. The reader should consult Cook, 1974 for a reassessment of the higher categories of water mites, Lindquist, 1976 for a reassessment of the higher categories of Heterostigmata, and Krantz, 1978 for a treatment of higher categories in general, as well as new families that were erected since 1972.

John B. Kethley
18 October 1977
Chicago

ACKNOWLEDGEMENTS

The original impetus for compiling an index to acarine collections stems from conversations with Donald Johnston, Rodger Mitchell and George Wharton during my tenure as a post-doctoral trainee in the Acarology Laboratory, The Ohio State University (NIH Grant # AI-00216-10). I also wish to thank them for their assistance in the preparation of the original survey questionnaire.

I am indebted to H. S. Dybas, H. Hoogstraal, D. E. Johnston, E. L. Lindquist, R. D. Mitchell, and R. L. Wenzel for advice on format and style of the completed index. I am extremely grateful to Louise Bernard and Vernon Reaves for their valuable assistance in proofing the copy. Special thanks are due Claire Bloom and Patricia Peyton for typing the finished copy. Publication and distribution would not have been possible without the generous assistance of H. Hoogstraal. Finally, the entire index itself could not have become a reality without the cooperation of all participants in completion of the survey questionnaires.



I. HOLDINGS OF TAXA

Families are listed alphabetically under the respective superfamily. The superfamilies, cohorts, suborders and ordinal listing approximates that found in conventional listings, i.e., beginning with Opilioacariformes and ending with Oribatei.

The numbers listed under each taxonomic unit correspond to the collections as listed in Section II. The letters following each number describe the nature of the respective holding as:

T = Primary type material

T" = Secondary type material

D = Determined, non-type material

U = Undetermined material

Collection identification numbers (113-186, 189), which are not followed by any letters - T, T", D, or U - indicate holdings for which detailed information was not available.

It should be noted again, that an entry indicating type material or determined non-type material of a superfamily or higher category means that all families of that group are represented in the collection. In contrast, an entry indicating undetermined material of a superfamily or higher category means that the material has not been identified to the family level.

OPILIOACARIFORMES	ICHTHYOSTOMATO-	AMEROSEIIDAE	ASCIDAE con't.	DERMANYSSIDAE (s.st.) con't.
	GASTERIIDAE	con't.		
OPILIOACARIDAE	1-T, D	11-U	67-D, U	88-D
6-U	4-D	12-D, U	69-U	91-D
9-U	71-U	16-D, U	71-D, U	92-D
19-D		18-D, U	72-T, D, U	94-D, U
43-U		19-D, U	73-D	97-T", D, U
47-U	SEJIDAE	23-D, U	81-D	98-D, U
50-D, U	7-U	38-T, T", U	88-T, T", D	104-T", D
64-D	9-U	43-U	91-U	105-T, U
98-U	10-D	47-D, U	94-D, U	106-D, U
104-U	12-D	48-U	95-T", U	107-T, T", D, U
	16-D, U	50-D	97-D, U	108-D
PARASITIFORMES	19-D, U	53-D	100-D	111-T, T", D
36-D	43-U	58-T", D, U	104-T", D, U	
116	48-U	64-U	105-U	DIGAMASELLIDAE
133	50-D	67-T, D	106-U	38-T, T", U
136	64-U	69-U	107-U	53-D
149	65-U	72-D, U	108-D	64-U
150	67-D	81-D	111-D, U	67-D, U
158	69-U	88-T, T", D	112-T, T"	88-D
167	71-U	94-U		97-D, U
185	83-D	104-D, U	8-U	108-D
	88-D	105-U	57-T"	
	95-U	107-U	67-T, T"	
	97-U	108-U	72-T"	
HOLOTHYRINA	104-D, U	111-D		DISCOZERCONIDAE
	105-U			
HOLOTHYRIDAE	108-D		DERMANYSSIDAE	1-U
	112-T		(s.st.)	2-T
1-T, T", D		9-D, U		4-T", D
4-D		11-D	1-D	8-U
6-U		43-U	2-T	19-D
32-D	9-U	50-D	4-D	69-U
39-D	10-D, U	72-T", D	7-U	72-T"
43-U	16-T, T", D	88-D	8-U	111-D
71-U	43-U	104-U	9-D	
104-U	48-U	105-U	10-D, U	ENTONYSSIDAE
	50-D	108-D	11-D	
MESOSTIGMATA	53-D		12-T, T", D	8-U
	64-U		16-T", D, U	20-D
	71-U		18-D	29-D
16-T", D, U	91-U		19-T, T", D, U	48-U
22-T, T", D, U	92-T, D	1-T, T"	20-D	50-D
24-T, D, U	94-U	2-T	23-D, U	52-T"
29-U	104-D, U	7-U	29-D	64-U
33-U	108-D	9-T, D, U	30-D, U	67-D
36-U		10-D, U	34-D	71-T"
37-U		11-D, U	35-D	72-T"
40-T, T", D, U		12-T, T", D	36-D	73-D
97-U	GAMASINA	16-T", D, U	39-T", D, U	104-D
112-D	15-U	18-T, T", D, U	40-D, U	107-U
115	32-T, D, U	19-T", D, U	43-U	108-D
117	36-D	23-D, U	45-T", D	
121	45-T", D	27-T	47-D	
123	57-U	33-T, T", U	48-D, U	EPICRIIDAE
145	73-D, U	36-D	50-D	
147	77-U	38-T, T", D, U	57-T", D, U	9-U
151	82-U	40-D, U	58-D	11-U
153	91-U	43-U	62-D	16-D, U
155	93-D	45-U	64-D	18-D
159	107-D, U	47-T", D, U	65-U	19-D, U
163		48-T", D, U	67-T, T", D, U	23-T, D, U
170		53-D	69-T, T", D, U	38-U
186	AMEROSEIIDAE	57-T", D, U	71-D	43-U
SEJINA	1-T, T"	58-T", D, U	72-T	48-U
7-U	9-T, D, U	63-D, U	73-D	50-D
15-U	10-D, U	64-U	81-D	64-U
		65-U	83-D	

EPICRIIIDAE con't.	HAEMOGAMASIDAE con't.	HYSTRICHONYSSIDAE	LAELAPIDAE con't.	MACROCHELIDAE con't.
65-U		1-T"	48-T,T",D,U	
69-U	73-D	4-T",D	50-T",D	91-T,T",D,U
71-D	81-D	57-T",D,U	51-U	92-D
73-D	83-D	71-T"	53-D	94-D
76-D	88-D	72-T	57-T",D,U	95-D
88-D	91-D,U		58-D	97-D,U
92-T,D	94-U		62-D	98-D,U
97-U	95-U		63-U	104-T",D,U
104-D,U	97-T",D,U		64-D,U	105-U
108-D	98-D,U		65-U	106-D,U
111-D,U	100-D		67-T,T",D,U	107-D,U
	104-D		69-T,T",D,U	108-D
	105-U		71-D,U	111-T,T",D
EVIPHIDIDAE	107-T",D,U		72-T,D,U	112-T,T",D
	108-D		73-D	149
9-D,U	111-D	107-U	81-D	
10-U			83-D	MACRONYSSIDAE
11-D,U			88-T,T",D	
12-D,U	HALARACHNIDAE		91-T,T",D,U	4-T",D,U
16-D,U			92-D	6-T,D
19-T,D,U	1-D	7-U	94-D,U	8-U
23-D,U	4-D	9-U	95-D	9-D
36-D	8-U	19-D	97-T,T",D,U	10-D,U
38-T,T",D	9-D	48-D,U	98-D,U	11-D,U
43-U	12-D	50-D,U	100-U	12-T,T",D,U
48-D,U	18-T,T",D,U	64-D,U	104-T",D,U	18-D
64-U	19-T,T",D	69-D,U	105-U	20-T,T",D
67-T	43-U	71-T"	106-D,U	29-D
69-D,U	45-T",D	72-T,T"	107-T,T",D,U	30-D,U
72-U	50-D	94-U	108-D	34-U
73-D	57-D	95-D	111-T,T",D,U	35-D
76-D	64-D	104-D	112-T,T",D	36-D
88-T,T",D	67-D,U	105-U		43-U
92-T,D	69-D	106-D		45-T",D
97-D,U	83-D	107-U		48-U
104-T",D,U	89-T	108-D		50-D
105-U	91-D	111-D	1-T,T",D,U	57-T,T",D,U
108-D	104-D		7-U	62-D
111-D,U	108-D		9-D,U	64-D,U
	111-D,U		10-D,U	65-U
	112-T,D		11-D,U	67-T",D,U
HAEMOGAMASIDAE			12-T,T",D,U	68-T",D,U
1-D	HALOLAELAPIDAE		16-D,U	69-T,T",D
7-U			18-D,U	71-T",D
8-U	9-U		19-T,T",D,U	72-T,D
9-D,U	16-D,U		29-D	73-D
11-D	19-T,T",D,U		33-D,U	83-D
12-D	38-U		34-U	88-D
16-D,U	48-U		36-D	91-D,U
18-D	69-D		38-T,T",U	94-D
19-T,D,U	88-T,T",D		40-D	97-T",D
20-D	104-U		43-U	104-D,U
23-D,U	111-D		47-D,U	105-U
29-D			48-U	106-U
30-D,U			50-T",D	107-D,U
33-D,U	HETEROZERCONIDAE		51-U	108-D
34-D			64-D,U	111-D,U
36-D	8-U		65-U	112-T,T",D
45-T",D	16-T,U		67-D,U	
48-D,U	19-T,D		69-T,T",D,U	MANITHERIO-
50-D	29-D,U		71-D	NYSSIDAE
57-D,U	48-U		72-T	
64-U	64-U		73-D	19-T
65-U	67-U		76-D,U	57-D
67-D,U	69-U		77-D,U	71-D
71-D	104-U		81-D	
72-T,D,U	111-D,U		83-D	
			88-T,T",D	

MICROGYNIIDAE	PACHYLAELAPIDAE con't.	PARASITIDAE con't.	PHYTOSEIIDAE con't.	RHINOYSSIDAE con't.
9-U		108-D	81-D	34-U
12-D	19-T,D,U	111-T,T",D,U	88-T,T",D	36-U
16-U	23-T,T",D,U	112-T	92-T,D	39-T,T",D
43-U	38-T,T",U	159	94-D	45-T",D
50-T"	43-U		95-D,U	48-T",D,U
71-D	47-D,U		97-T,T",D,U	50-D
72-T	48-U		98-D,U	64-D,U
104-T",D,U	64-U		104-D,U	65-U
	67-D	9-U	105-U	67-T,T",D,U
	69-U	10-T",D,U	106-U	69-D
MICROSEJIDAE	71-U	11-T",D,U	107-D,U	71-D
	72-U	12-U	108-D	72-T
	73-D	16-D,U	111-T,T",D,U	91-D,U
NEOPARASITIDAE	83-D	19-T	112-T,T"	95-D,U
	88-D	38-U	134	98-D,U
2-T	92-T,D	43-U	154	104-D,U
10-D,U	97-U	47-U	164	105-U
11-D	104-U	48-D,U	184	106-U
18-D	107-U	63-D,U		107-D,U
19-T,T",D,U	108-D	65-D,U		111-D,U
43-U	111-D	67-U		157
47-D,U		71-D,U		166
48-U		72-T		
51-U	PARASITIDAE	73-D	9-D,U	
64-U		88-T,T",D	11-D,U	RHODACARIDAE
65-U	1-T,T",D,U	95-D,U	16-D,U	1-T,T",D,U
67-D	7-U	97-U	18-D,U	2-T
73-D	8-U	104-T",D,U	19-T,T",D,U	7-U
88-D	9-U	105-U	38-U	9-T,D,U
92-T,D	10-D,U	108-D	43-U	10-D,U
97-D,U	11-D,U		47-T",D,U	11-T",D,U
98-U	12-D,U		48-U	12-T",D,U
100-U	16-T,T",D,U		50-D	16-D,U
106-U	18-T,D,U		63-D,U	18-D
107-U	19-T,T",D,U	1-T,T",D,U	64-D,U	19-D,U
111-D	23-T,T",D,U	3-U	65-U	33-U
OMENTOLAE LAPIDAE	30-U	7-T",D	67-U	38-T,T",D,U
	33-D,U	9-T,D	69-U	43-U
	34-D,U	10-D,U	71-D	47-U
	36-D	11-D,U	72-U	48-T",D,U
	38-D,U	12-D,U	73-D	59-U
39-D,U	40-D	16-T,T",D,U	97-D,U	63-D,U
71-T"	43-U	18-D,U	98-U	64-U
72-T"	47-U	19-D,U	104-D,U	65-U
OTOPHEIDOMENIDAE	48-U	23-D,U	105-U	67-T,D
	63-D,U	25-T,D,U	108-D	69-U
	64-U	27-T	111-D	73-D
	65-D,U	28-T,U		76-U
9-T,D	67-D,U	33-D,U		88-T,T",D
12-D	69-U	37-T,T",D,U		92-T,D
48-D,U	71-D,U	38-T,T",D,U	1-D	97-T,T",D,U
58-T",D	72-U	40-T,T",D,U	8-U	104-D,U
67-D	73-D	43-U	20-T	105-U
69-T,D	76-D,U	45-U	50-D	108-D
71-T"	77-U	47-T",D,U	111-U	111-D,U
72-T"	81-D	48-D,U		
104-T",D,U	83-D	58-D		SPELÆORHYNCHIDAE
	88-T,T",D	59-D		
PACHYLAELAPIDAE	91-D,U	63-D,U	1-D	8-U
	92-T,D	64-T",D,U	4-T",D	12-D
1-T,T",U	94-U	65-D,U	8-U	18-T,T"
2-T	95-D,U	67-T,D	9-D	30-T"
7-U	97-D,U	69-D		
9-D,U	98-D,U	71-D	11-D	43-U
11-U	104-D,U	72-T,D,U	12-T,T",D,U	45-D
12-D,U	105-U	73-D	19-T,T",D	50-D
16-D,U	106-D,U	74-D,U		57-U
18-U	107-U	77-D		

SP	ELAEORHYNCHIDAE con't.	VEIGAIIIDAE con't.	UROPODINA	TREMATURIDAE 19-D	CELAENOPSIDAE
62-D	38-D, U	1-T, T'', D, U			1-T, T'', U
71-D	43-U	6-D			7-U
72-T	47-U	7-U			9-T, D
91-D	48-T'', D, U	9-D, U			12-D
104-D	59-T	10-D, U			16-D, U
106-D	63-D, U	12-D, U			18-T, T'', D, U
176	64-U	15-U			19-T, T'', D, U
	65-D, U	16-U			23-U
	67-T, D	18-T, D, U			38-T, T'', U
	69-U	19-T, T'', D, U			43-U
SP INTURNICIDAE	71-D	32-D, U			50-D
1-T'', D, U	72-T	38-T, T'', U			53-D
4-T'', D, U	73-D	43-U			72-U
6-T, D	76-D, U	47-U			83-D
8-U	83-D	50-T, T'', D			94-U
9-D	88-T, T'', D	51-T, T'', D, U			97-U
10-D	92-T, D	53-D			99-T'', D, U
11-D	94-U	64-U			104-U
12-T, T'', D, U	95-D, U	65-U			111-T, T'', D
18-D, U	97-D, U	69-T'', D, U			112-T
19-T, D, U	104-D, U	71-D, U			CERCOMEGISTIDAE
20-T, T'', D	105-U	72-U			
29-D	106-U	73-D, U			
30-T, T'', D	107-U	76-D, U			
34-U	108-D	77-U			
35-D	111-D, U	81-D			
36-U		82-U			
38-U		83-D			
39-T, T'', D, U	ZERCONIDAE	91-D, U	1-T, T'', D		
43-U		95-D, U	7-U		
45-T'', D	1-D, U	97-U	12-D		
48-U	9-D, U	98-U	15-U		
50-D	10-D, U	100-T'', D, U	48-T'', D, U		
57-D	11-D, U	105-U	50-D		
64-U	12-D	106-U	64-D, U		
67-T, D, U	16-T'', D, U	107-U	69-U		
69-T, T'', D, U	18-U	108-D	71-D		
71-D	19-D	111-T, T'', D, U	72-T		
72-T	23-T, T'', D, U	112-T, T''	94-U		DIPLOGYNIIDAE
76-U	44-U		97-D, U		
83-D	48-U		99-U		
91-T, D, U	59-D	CILLIBIDAE	104-D		1-T, T'', D, U
95-D, U	63-D, U	19-T, D, U	105-U		7-U
97-T'', D, U	64-D, U		107-U		11-D, U
98-D, U	65-U	CIRCOCYLLIBANIDAE	108-D		12-T, T'', D, U
104-D, U	67-T, U	19-T''			16-U
105-U	69-U				18-D
106-D, U	71-D	COXEQUESOMIDAE			23-U
107-D, U	72-U	19-T''			43-U
108-D	73-D				48-D, U
111-D	76-D, U	DISCOURELLIDAE			50-D
112-T	79-T, T'', D, U	19-T, T''			64-U
186	83-D				69-U
	88-T, T'', D				71-D, U
	91-U	PHAULODINYCHIDAE			72-T
VEIGAIIIDAE	92-T, D	19-T, T'', U			91-T, T'', D, U
	94-U				95-U
1-T, T'', D, U	95-D, U	PLANODISCIDAE			97-U
7-U	97-U	19-T''			99-T'', D, U
9-D, U	98-U				104-T'', D, U
10-D, U	104-D, U	PRODINYCHIDAE			105-U
11-D, U	105-U	19-T'', D, U			107-U
12-D	106-U				108-D
16-T'', D, U	107-U	THINOZERCONIDAE			EUZERCONIDAE
18-D	108-D	19-U			
19-D	111-D				
23-D, U		TRACHYUROPODIDAE			
36-D		19-T, D, U			

EUZERCONIDAE con't.	MEGISTHANIDAE	METASTIGMATA	IXODIDAE con't.	ENDEOSTIGMATA
	1-T, T'', D, U 7-U 16-U 18-D 19-D 23-U 48-D, U 50-D 64-D, U 69-U 71-U 72-T, U 91-U 94-U 97-U 99-T'', D, U 104-D, U 105-U 106-U 108-D 111-D	1-T, T'', D, U 16-U 18-D, U 19-T, D 23-U 38-U 47-U 48-T', D 50-D 64-D 69-D 71-D 72-D 91-D 94-U 97-U 99-T'', D, U 97-U 99-U 104-D 107-U 111-D 112-T	IXODOIDEA 22-T, T'', D, U 36-D 69-T, T'', D, U 82-U 93-D 113 132 146 173 174 177 178	12-T, T'', D, U 16-D, U 18-T, T'', D, U 19-T, D, U 20-D 23-D, U 29-D 30-D, U 32-T, T'', D 34-D, U 36-D 39-T, D 45-D 48-U 50-D 52-D 54-T'', D, U 56-T, T'', D, U 61-D 64-D, U 65-D 67-T, D, U 69-T, T'', D, U 76-D 83-D 89-T, D 91-T'', D, U 94-D 95-D, U 97-U 98-D 100-D 104-D 105-U 106-D 107-D, U 108-D 110-T'', D 111-D, U 112-T, T'' 162 175
FEDRIZZIIDAE		ARGASIDAE 1-D, U 4-D 6-D, U 7-U 8-U 9-D 12-T, T'', D	107-U 108-D	PACHYGNATHOIDEA ALICHORHAGIIDAE
1-T, T'', D 12-U 18-D 23-U 38-U 50-D 69-U 92-D 99-U 104-U 108-D 111-T, T'', D	PARAMEGISTIDAE 1-T, T'' 16-U 19-D 23-U 29-D 39-D 50-D 64-U 71-D, U 97-U 100-D 104-D	18-D 19-D 20-D 23-D, U 29-D 32-D 34-D 36-D 39-T, D 45-D 48-U 50-D 54-D, U 56-T, T'', D, U 64-D, U 65-D 67-D, U 69-T, T'', D, U 83-D 89-T, D 91-T'', D, U 94-D 95-D, U 97-U 98-D 100-D 104-D 105-U 106-D 107-D, U 108-D 110-T'', D 111-D, U 112-T, T'' 162 175	1-T, T'' 9-U 10-D 11-U 38-T, T'', D 43-U 48-U 50-U 65-U 69-D, U 95-U 104-U 105-U 108-D	LORDALYCHIDAE
HOPLOMEGISTIDAE	PARANTENNULIDAE 9-U 16-U 23-U 48-T'' 50-D 64-U 69-U 71-U 97-U 99-U 104-U 111-D	1-T, T'' 16-U 19-D 23-U 48-T'' 50-D 64-U 67-T, D 69-T'', D, U 71-D, U 100-U 104-D 105-U 108-D	83-D 89-T, D 91-T, D, U 94-D 97-U 98-D 104-D 105-U 106-D 107-T'', D, U 108-D 110-D 111-D 112-T, T'' 148	NUTTALLIELLIIDAE 71-D 187-T
KLINCKOSTROE- MIIDAE		PROSTIGMATA 3-U 24-D 32-T, T'', D, U 40-D 91-D 112-D 115 116 117 130 133 149 157 163 167 171	1-T, T'', D 9-D, U 10-D, U 11-U 18-D 19-D, U 33-U 38-T, T'', D, U 40-T'', D 43-U 47-D, U 48-D, U 50-U 64-U 65-U 67-T, D, U 69-U 71-D 73-U 94-U 97-U	NANORCHESTIDAE
1-T, T'', D 7-U 11-D 23-U 43-U 48-T'', U 50-D 69-U 91-U 99-U 104-U	SCHIZOGYNIIDAE	IXODIDAE 1-D, U 2-T, D 4-D 6-T, D, U 7-U 8-U 9-D 10-U	130 133 149 157 163 167 171	

NANORCHESTIDAE con't.	TARSONEMOIDEA	PODAPOLIPODIDAE con't.	TARSONEMIDAE con't.	ANYSTIDAE con't.
104-U	15-U	16-U	7-T, D	37-U
105-U	23-T, T'', D, U	19-D, U	9-T, D, U	38-T, T'', U
107-U	121	23-T, T'', D, U	10-D, U	39-U
108-D		29-D	11-U	40-T, T'', D, U
	PYEMOTIDAE	33-D	12-D, U	43-U
		39-D, U	18-D, U	47-D, U
PACHYGNATHIDAE	1-D, U	40-D	19-T, D, U	48-T'', U
1-T, T'', D	4-D	43-U	23-T, T'', D, U	50-U
9-D, U	7-T, D	50-U	29-U	64-U
10-D, U	9-D, U	51-U	33-D, U	65-U
11-U	10-D, U	64-D	37-U	67-U
18-D, U	11-D, U	69-U	38-U	72-U
19-D, U	12-D, U	72-T''	39-D, U	73-D
38-T, T'', D, U	16-D, U	81-D	40-D, U	76-D
43-U	18-T, T'', D, U	94-U	43-U	79-T, T'', D, U
47-D, U	19-T, T'', D, U	97-D	47-T'', D, U	83-D
48-D, U	23-T, T'', D, U	98-T, D	48-D, U	91-U
50-U	30-T'', D	100-D	50-T, T'', D, U	92-D, U
64-U	33-U	104-D	53-D	94-U
65-U	36-D	105-U	58-D	97-U
69-D, U	38-U	106-T'', D	64-U	98-U
71-D	39-D	111-D	65-U	104-D, U
73-U	40-D, U		71-D	105-U
76-D	42-T'', D, U		72-T, D	107-U
94-T	43-U		73-D, U	111-D, U
97-U	47-D, U		74-T, D, U	112-T
104-D, U	48-U	1-T''	76-U	HETEROCHEYLIDAE
105-U	50-T'', D, U	9-U	77-D, U	
107-U	51-T'', D, U	10-D, U	81-D	1-T, T''
108-D	53-D	11-U	83-D	16-U
111-T, T'', D	58-U	12-D, U	88-D	48-D, U
	63-U	16-T'', D, U	91-D	50-U
	64-D, U	18-T, T'', D, U	92-D	64-U
	65-U	19-T, D, U	94-U	69-U
PEDICULOCHELIDAE	67-D	23-T, T'', D, U	95-T'', D	94-U
38-U	69-T, T'', U	29-U	97-D, U	97-T, T'', D, U
50-U	71-D	38-U	98-D, U	104-D
71-D	72-D, U	40-D	104-D, U	105-U
91-U	73-D, U	42-D, U	105-U	
97-U	74-D, U	43-U	106-D, U	PTERYGOSOMIDAE
107-U	81-D	47-D, U	107-D, U	
108-D	83-D	48-U	111-T, T'', D, U	
	91-U	50-T, U	112-T	
	92-D	64-U	142	1-T, T''
SPHAEROLICHIDAE	93-T, T'', D	65-U	143	7-D
10-U	94-U	67-U		8-U
38-T, T'', U	95-T'', D	72-U	PROMATA	12-U
43-U	97-D, U	73-D, U		16-U
50-U	98-D, U	76-U	ANYSTOIDEA	18-D
65-U	100-D	77-D, U	15-U	19-T, D, U
107-U	104-T'', D, U	83-D		29-U
108-D	105-U	92-T, D		39-T, T'', D, U
	106-D	93-T, T'', D		43-T, T'', D, U
	107-D	94-U		44-T, T'', D, U
	108-D	97-D, U	ANYSTIDAE	48-U
TERPNACARIDAE	111-D, U	98-D, U		50-T, D, U
38-T, T'', U	112-T, T'', D	104-U		64-U
48-U	138	105-U	1-T, T'', D	
50-U		106-D	3-T'', D, U	
69-U		107-U	4-D	
97-U	1-D, U	111-D, U	7-U	
108-D	7-U	112-T	9-U	
	9-U		10-D, U	84-T, T'', D, U
	11-D		16-U	91-D, U
	12-D		18-D	95-U
		1-D	19-D, U	97-T'', D, U
			33-U	104-D

PTERYGOSOMIDAE con't.	BDELLIDAE con't.	CUNAXIDAE con't.	CHEYLETIDAE con't.	DEMODICIDAE con't.
105-U	27-T	81-D	16-D, U	64-D, U
107-D, U	29-U	91-T", D, U	18-D, U	67-D
112-T	33-U	92-D, U	19-T, T", D, U	69-T"
	37-U	94-D, U	20-D	83-D
	38-D, U	95-D, U	23-U	91-D
	40-T, T", D, U	97-D, U	27-T	95-U
PSEUDOCHEYLIDAE	43-D, U	98-U	29-U	98-D
1-T, T"	47-D, U	104-D, U	30-D	102-T, T", D, U
7-T	48-D	105-U	33-D, U	104-D
16-U	49-T, T"	107-U	34-U	106-D, U
18-U	50-T, T", D	111-D, U	36-U	108-D
37-U	53-D	112-T	37-U	111-D
38-U	63-U		38-U	
40-D	64-D, U		39-T, T", D, U	HARPYRHYNCHIDAE
43-U	65-D, U	CAECULOIDEA	40-D, U	
50-U	67-D, U		43-U	
65-U	69-D, U		45-D	9-D
72-T	71-D		47-T", D, U	12-T, T", D
94-U	72-T, D, U	CAECULIDAE	48-D, U	18-D
97-D, U	73-D	1-T"	50-T, T", D	19-D
104-D	79-T"	5-T, U	53-D	30-T", D, U
105-U	81-D	7-U	57-T", D, U	39-T", D
106-D, U	83-D	9-U	64-T", D, U	43-U
TENERIFFIIDAE	91-D, U	18-D	65-U	45-D
	92-T, D, U	19-T, D	67-T, D	48-U
	94-D, U	23-D, U	69-U	50-T", D
	95-D, U	38-U	71-D	64-U
	97-D, U	39-T, T", D, U	72-T, D	67-D
1-T, T"	98-U	40-D	73-D	69-U
7-D	100-U	43-U	77-D	95-U
16-U	104-D, U	48-U	81-D	104-D
19-D	105-U	50-U	83-D	105-T, U
23-DU	106-U	61-T, T", D, U	91-T, D, U	107-U
27-T	107-D, U	64-T", D, U	94-D, U	MYOBIIDAE
38-U	108-D	69-U	95-D, U	1-T, T", D
40-D	111-D, U	71-U	97-T, T", D, U	4-D
43-U	112-T, T"	72-T", U	98-D, U	8-U
48-U		85-T, T", D	104-D, U	9-D
50-U		92-D	105-U	10-D, U
64-D	CUNAXIDAE	94-U	106-D, U	11-D
72-U	1-D	95-U	107-U	12-T, T", D, U
79-T, T"	3-U	97-U	108-D	18-T, T", D
92-D	7-U	98-U	111-T, T", D, U	19-T, D, U
97-U	9-D, U	104-D	112-T	20-T, T", D
104-U	10-D, U	107-U		30-T, T", D, U
107-U	11-D, U	111-D	CLOACARIDAE	34-U
111-D, U	12-D	112-T, T"	30-U	36-D
BDELLOIDEA	16-D, U		48-U	39-T, T", D, U
15-U	18-D, U	CHEYLETOIDEA	50-T, T", D, U	43-U
	19-T, T", D, U	15-U	64-D, U	45-D
	23-D, U	23-U	71-D	48-U
	33-U	82-U	94-D	50-D, U
BDELLIDAE	37-U	183	104-D	51-T", D
	38-D, U			64-U
	40-D, U		DEMODICIDAE	67-T, T", D
	43-U		1-D	69-T", D
1-T, T", D, U	47-D, U	CHEYLETIDAE	8-U	72-T
3-T, T", D, U	48-D	1-T, T", D	18-D	83-D
6-D	50-U	4-D	19-D	91-T, D, U
7-U	63-U	7-T, D, U	20-D	95-D, U
9-D, U	64-U	8-U	29-D	97-T", D, U
10-D, U	65-U	9-T, D, U	30-T, T", D	98-D
11-D, U	67-U	10-D, U	48-U	100-T", D
12-D, U	69-D, U	11-U	50-U	104-D
16-D, U	72-T, D, U	12-T, T", D, U		
18-T, T", D, U	73-D, U			
19-T, D, U	79-T", D			
23-D, U				

MYOBIIDAE con't.	ERIOPHYIDAE con't.	EUPODIDAE con't.	RHAGIDIIDAE con't.	IOLINIIDAE
105-U	10-D, U	72-U	7-U	43-U
106-T'', D, U	11-D, U	73-U	9-D, U	67-U
107-D, U	16-U	81-D	10-D, U	72-T
111-D, U	18-T, T'', D	83-D	11-U	
112-T, T''	19-D, U	91-U	16-U	
	23-T, T'', D, U	92-T, D	18-D, U	LABIDOSTOMMOIDEA
	33-T, T'', D, U	95-U	19-D, U	
OPHOPTIDAE	37-U	97-U	23-U	
	38-T, T'', U	98-D, U	38-D, U	LABIDOSTOMMIDAE
9-U	40-T'', D, U	104-D, U	40-D	
20-T	46-T, T'', D, U	105-U	43-U	1-T, T'', D
39-T'', D	47-D, U	107-U	47-U	4-D
48-D	50-T, T'', D	111-T, T'', D, U	48-U	9-U
50-U	64-D, U	112-T	50-U	12-U
69-D, U	65-U		64-U	15-U
107-T, T'', D	72-D, U		65-U	18-D
	73-D, U	PENTHALEIDAE	67-T, D	19-D, U
	81-D		69-U	23-D, U
PSORERGATIDAE	83-D	1-D	72-U	38-U
	91-D, U	3-D	73-D, U	40-T
9-T, D	94-D	9-D, U	76-U	43-U
18-T'', D	95-D, U	16-D, U	79-T, T''	48-T, T'', D, U
19-D	97-D, U	19-D, U	91-D	49-T, T''
20-D	98-D, U	23-U	92-T, D, U	50-T, T'', D
30-T, T'', D, U	104-D, U	43-U	94-U	64-U
50-U	105-U	48-U	95-U	69-U
67-D, U	106-D, U	50-T, T'', D	97-U	72-U
69-T'', D	107-U	64-D	98-U	76-D
83-D	111-T, T'', D, U	65-U	104-U	85-T, T'', D
98-D	112-T	67-T, D	105-U	91-D, U
104-D	134	69-U	107-U	92-D
111-D	158	73-D	108-D	95-U
	169	91-T'', D	111-T, T'', D, U	97-D, U
	181	94-U		98-U
SYRINGOPHILIDAE		97-D, U		104-D, U
	EUPODOIDEA	98-D, U	HALACAROIDEA	107-U
1-U		104-D		108-D
19-D, U	3-U	111-D, U		111-D
20-D	15-U		HALACARIDAE	112-D
30-D, U	23-U	PENTHALODIDAE	1-D	RAPHIGNATHOIDEA
39-T	48-D, U		6-U	
43-U		1-T, T'', D	17-T, T'', D	15-U
48-T, T''		7-U	18-T, T'', D, U	
50-D, U	EUPODIDAE	9-D, U	19-T, D, U	CALIGONELLIDAE
57-T'', D		16-U	31-D	
64-U	1-D	19-D	34-U	7-D
69-D, U	3-D	23-U	43-T, T'', D, U	16-U
70-T'', D, U	7-U	33-D	48-U	19-D
72-T''	9-D, U	43-U	50-U	40-T, T''
83-D	10-D, U	50-U	67-D	43-U
95-D, U	11-U	64-U	72-T''	47-D, U
97-D	12-U	65-U	86-T, T'', D, U	49-T, T''
104-D	16-U	67-D, U	89-T, D	50-U
105-U	18-D, U	69-U	90-D, U	65-U
106-T'', D, U	19-D, U	72-T	95-D, U	94-D, U
108-D	23-U	92-T, D	104-T'', D, U	95-U
	33-U	94-D	105-U	97-T'', D, U
ERIOPHYOIDEA	38-T, D, U	97-D	107-U	98-U
	40-T'', D, U	104-D	111-T, T'', D	104-U
	43-U	111-D	129	112-T''
ERIOPHYIDAE	47-U		144	
	50-U		152	
1-D	64-D, U	RHAGIDIIDAE	161	CRYPTOGNATHIDAE
6-U	65-U			
7-T''	67-T, D			1-D
8-U	69-U	1-D, U		7-T
9-T, D, U		6-D		9-D, U

CRYPTOGNATHIDAE con't.	RAPHIGNATHIDAE	TARSOCHEYLIDAE	TETRANYCHIDAE	TYDEOIDEA
12-D	1-D	1-T"	1-T, T", D, U	3-U
16-U	7-U	10-T", D	2-T	15-U
18-D	9-D, U	40-U	3-U	
19-D	11-D	48-U	4-D	
38-D, U	16-T", D, U	49-T", D	6-D, U	EREYNETIDAE
40-T	18-T, T", D	64-U	7-T, T", D	
43-U	19-D, U	71-T"	8-U	'1-T, T", D
47-D, U	37-U	72-T	9-T, D	4-T", D
48-D, U	38-U	97-U	10-D, U	9-D, U
50-U	40-D	104-D	11-D, U	10-D, U
64-U	43-U		15-D	12-T, T", D, U
65-U	47-D, U		16-D, U	16-U
72-U	48-U	TETRANYCHOIDEA	18-D	18-D, U
85-D	49-T", D	82-U	19-D, U	19-T, D, U
95-U	50-T, U	134	23-T, T", D	29-U
97-T, T", D, U	64-U	169	27-T	30-T, D
104-T", D, U	67-U	176	28-T, D, U	38-U
107-U	69-U	179	33-T, T"	39-T", D, U
111-D, U	72-T, U		37-T, T", D, U	43-U
EUPALOPSELLIDAE	73-D, U		38-T, T", D, U	48-T, T", D, U
9-D, U	81-D		39-T, D, U	50-U
16-U	91-D, U	ALLOCHAETOPHORIDAE	40-T, T", D, U	51-U
27-T	92-D		43-U	64-T", D, U
33-U	95-D, U	72-T	47-D, U	65-U
40-T, D, U	97-D, U		48-T", D, U	67-D, U
47-T", D, U	98-U		50-T, T", D, U	69-U
50-U	104-D, U	LINOTETRANIDAE	64-T", D, U	70-T", D
53-D	105-U		65-T", D	72-T, T"
72-U	107-U	16-U	67-D, U	83-D
94-D	111-D	40-D	71-D	91-D
97-T, T", D	112-T	43-U	72-T, D	92-D
104-U		72-T	73-D	94-U
HOMOCALIGIDAE	STIGMAEIIDAE		81-T, T", D	95-U
1-T"	1-T", D		83-D	97-U
69-U	3-U	TENUIPALPIDAE	91-D, U	98-U
111-D, U	7-D	1-T, T", D	92-D, U	104-D, U
	9-D, U	7-T, D	94-D	105-U
	10-D, U	10-D, U	95-D, U	106-U
1-T"	11-D, U	16-D, U	97-T", D, U	111-D, U
69-U	16-U	18-D, U	98-D, U	
111-D, U	18-D	19-D, U	104-D, U	NEMATALYCIDAE
	19-U	23-T, T", D	105-U	
	27-T	28-D	106-D, U	
NEOPHYLLOBIIDAE	33-D, U	33-D, U	107-D, U	15-T
1-T, T"	37-U	37-T, T", D, U	111-D, U	38-D, U
7-U	38-T", U	38-T, T", U	112-T, T", D	50-U
9-U	40-T, T", D, U	39-T, T", D, U	154	72-T
16-U	43-U	40-T, T", D, U	164	85-T, T", D
40-D	47-T", D, U	43-U	184	94-D
43-U	48-U	47-D, U		
47-D, U	50-U	48-D, U	TUCKERELLIDAE	PARATYDEIDAE
48-U	64-D, U	50-D, U		
50-U	65-U	64-T", D, U	1-T, D	16-U
53-D	67-T, D, U	65-D, U	7-D	38-T, T", D
64-D	69-U	67-D, U	15-D	40-T"
69-U	72-T	71-D	16-U	43-U
72-U	81-D	72-T, D	28-D	48-D, U
74-U	83-D	73-D, U	33-D	50-U
104-U	92-D	94-D	38-U	64-U
105-U	94-D, U	97-T", D, U	43-U	69-U
107-U	95-D, U	104-D, U	47-D, U	72-T
	97-T, T", D, U	105-U	50-D	97-U
POMERANTZIIIDAE	98-D, U	106-U	72-T, D	104-U
72-T	104-D, U	107-U	94-D	107-U
97-U	105-U	111-D, U	95-U	
	111-T, T", D, U	112-T	98-D, U	
	112-T, D	184	104-D	

TYDEIDAE	ERYTHRAEIDAE	SMARIDIDAE con't.	TROMBICULIDAE con't.	TROMBIDIIDAE con't.
1-T	1-T, T'', D, U	96-D, U	71-T'', D	96-D, U
7-T, T'', D, U	3-U	97-U	72-T	97-D, U
9-T, D, U	6-D	98-U	80-D, U	98-U
10-T'', D, U	7-U	104-U	81-D	104-D, U
11-D, U	8-U	105-U	83-D	105-U
16-U	9-T, D, U	107-U	84-U	106-D, U
18-U	10-D, U	111-T, T'', D, U	91-T, T'', D, U	107-U
19-D, U	12-U	112-T, T''	92-D	111-T, T'', D, U
30-U	15-U		94-U	112-T, T'', D
33-U	18-T, D		95-U	
37-T, T'', D	19-T, T'', D, U	TROMBIDIOIDEA	96-D, U	
38-T, T'', U	23-U		97-D, U	HYDRACHNELLAE
40-T, T'', D, U	29-U	23-U	98-D, U	
43-U	33-U	114	101-T'', D, U	18-U
47-T'', D, U	34-U		104-D, U	22-T, T'', D, U
48-T'', D, U	37-U		105-U	24-T, D, U
50-U	38-T, T'', U	JOHNSTONIANIDAE	106-D, U	29-U
58-T'', D, U	39-T		107-T, T'', D, U	34-D
64-U	40-T, T'', D, U	1-D, U	108-D	43-U
65-U	43-U	9-D	111-T, T'', D, U	50-U
67-T, D, U	48-U	12-D	112-T, T''	64-U
69-U	50-U	15-T, T'', D, U	119	66-D, U
72-T	64-U	19-D, U	123	69-T, T'', D, U
73-D, U	65-U	23-U	153	71-D
81-D	67-U	43-T, T'', D, U	155	78-U
83-D	72-U	50-U	166	91-U
91-T'', D, U	73-D	79-T, T''	180	93-D
92-D	79-T''	83-D		116
94-U	83-D	92-T, D		129
95-U	91-T, U	97-U		133
97-D, U	92-T, D, U	104-U	TROMBIDIIDAE	135
98-U	94-U	105-U		141
104-D, U	95-U	111-D	1-T, T'', D, U	144
105-U	96-D, U		4-D	149
106-U	97-U		6-D, U	152
107-D, U	98-U		7-U	156
111-T, T'', D, U	104-D, U	1-T, T'', D, U	9-T, D, U	157
	105-U	2-T	10-D, U	160
	106-U	4-T'', D, U	11-D, U	161
PARASITENGONA	107-D, U	8-U	12-T, T'', D, U	165
16-U	111-T, T'', D, U	9-D	15-T, T'', D, U	168
	112-T, T''	10-D, U	17-T	184
	180	11-D	18-T, D	189
ERYTHRAEOIDEA		12-T, T'', D, U	19-T, D, U	
22-T, T'', D, U	SMARIDIDAE	15-T, T'', D, U	23-U	
23-U		18-T'', D	29-U	HYDROVOLZIOIDEA
58-U	1-T, T'', D	19-T, D	38-T, T'', U	
114	10-U	20-T, T'', D	39-T, T'', D	
CALYPTOSTOMIDAE	12-D	22-T, T'', D, U	40-T'', D, U	HYDROVOLZIIDAE
1-D	15-U	23-U	43-U	
12-U	18-T, D	29-T'', D, U	47-U	17-T, T'', D
15-U	19-D, U	30-T'', D, U	48-D, U	43-U
19-D, U	23-U	34-U	50-U	55-T'', d
23-U	33-U	35-T'', D, U	58-U	66-T''
39-T	37-U	36-D	64-U	69-T, T''
43-U	40-D	39-T, T'', D, U	65-U	92-T, D
50-U	43-U	41-T''	67-T, T'', D, U	104-D
50-U	48-U	43-U	69-D, U	
64-U	50-U	44-T, T'', D, U	71-U	
83-U	64-U	45-T'', D	72-T, U	
92-D	65-U	47-U	73-D, U	HYDRACHNOIDEA
95-U	72-T	48-T, T'', D, U	76-U	
96-D, U	83-D	50-T, T'', D, U	79-T''	
104-U	91-D	56-T, T'', D, U	83-D	HYDRACHNIDAE
105-U	92-D	64-D, U	91-D, U	
111-D	94-D	65-U	92-T, D, U	1-D, U
	95-U	67-T, T'', D	94-U	6-D
		69-T, T'', D, U	95-U	11-U

HYDRACHNIDAE con't.	PIERSIGIIDAE con't.	HYDYPHANTIDAE con't.	LEBERTIIDAE con't.	TORRENTICOLIDAE con't.
17-T,T'',D	66-T''	92-T,D	104-D	19-D
18-D	69-T''	98-U	107-D,U	26-D
19-D	83-D	103-T,D,U	111-D	43-U
31-T,D	92-D	111-D,U		55-T'',D,U
43-U	98-D,U			69-T,T'',D
55-T'',D,U	104-D			89-T,D
64-U			OXIDAE	92-T,D
69-T,T'',D				103-T,D,U
78-D	PROTZIIDAE	OMARTACARIDAE	6-D	
83-D			17-T,T'',D	
89-T,D	17-T,T'',D	RHYNCHOHYRACARIDAE	19-D,U	HYGROBATOIDEA
92-T,D	18-D		26-D	
98-T'',D,U	19-U		43-U	
103-T,U	26-D	THERMACARIDAE	55-T'',D,U	ASTACOCROTONIDAE
105-U	43-U		69-T,T'',D	
106-U	55-T'',D,U	17-D	83-D	
107-D,U	69-T,T'',D	19-D	89-T,D	17-D
108-D	78-T''	43-U	92-D	
111-D,U	83-D	55-D	103-U	FELTRIIDAE
	92-T,D	66-T''	111-D	
	104-D	69-T		
EYLAOIDEA				9-T
			PSEUDOHYDRYPHANTIDAE	17-T,T'',D
EYLAIDAE	HYDRYPHANTOIDEA	THYASIDAE		19-D,U
1-D	CLATHROSPHER-	1-T,T''	26-D	
9-T	CHONIDAE	15-D,U	43-U	
17-T,T'',D		17-T,T'',D	55-T'',D	
18-D	55-T'',D	19-D	69-T,T'',D	
19-D,U	97-U	26-D	89-T,D	
31-T,D		43-U	92-T,D	
43-U		55-T'',D		
55-T'',D,U	CTENOTHYASIDAE	69-T,T'',D		
64-U		83-D	RUTRIPALPIDAE	HYGROBATIDAE
69-T,T'',D		89-T,D		
78-D	CLATHROSPHER-	92-T,D	9-T	
83-D	CHONIDAE	98-U	17-T,T'',D	
89-T,D		103-D,U	19-D,U	
92-T,D	EUPATRELLIDAE	104-D	26-D	
98-D,U		111-D	43-U	
104-D	6-D		55-T'',D,U	
107-D,U	17-T,T'',D	LEBERTIOIDEA	64-U	
111-D,U	18-D		69-T,T'',D	
	19-U		83-D	
	43-U		89-T,D	
LIMNOCHARIDAE	55-T'',D,U	ANISITSIELLIDAE	92-T,D	
	69-T,T'',D	17-T,T'',D	98-D,U	
1-T,D	89-T,D	55-T'',D	103-U	
6-D	92-T,D	69-T,T'',D	104-D	
17-T,D	103-D,U	107-D,U	111-D	
18-D				103-U
19-D				104-D
26-D	HYDYPHANTIDAE			107-D,U
43-U		LEBERTIIDAE		111-D
55-T'',D	1-U	17-D		LIMNESIIDAE
69-T,T''	6-D	19-D		6-D
89-T,D	9-T	26-D		9-T,D
92-D	17-T,T'',D	43-U		17-T,T'',D
98-D,U	18-D	55-D		18-D
103-D,U	19-T,D,U	18-D	69-T	19-D
	43-U	19-D,U	89-T,D	26-D
	55-D,U	26-D	92-D	43-U
PIERSIGIIDAE	64-U	43-U	111-D	55-T'',D,U
	69-T,T'',D	55-T'',D,U		64-U
17-T,D	78-T''	64-U		69-T,T'',D
43-U	83-D	69-T,T''		83-D
55-D	89-T,D	83-D		89-T,D
		89-T,D		
		92-T,D		
			17-T,T'',D	

LIMNESIIDAE con't.	UNIONICOLIDAE con't.	MIDEOPSIDAE con't.	ARRENUROIDEA	ANOETIDAE con't.
92-T,D		69-T		42-D,U
97-U	97-U	92-D	ARRENURIDAE	43-U
98-D,U	98-D,U	111-D		45-D
103-U	103-U		6-D	47-U
105-U	104-D	MOMONIIDAE	9-T	48-T",D,U
111-D,U	111-D,U		17-T,T",D	50-U
	112-T"	17-T,D	18-D	51-U
NEOTORRENTI-COLIDAE	ATUROIIDEA	55-T",D,U	19-D,U	52-T,T",D,U
		69-T	26-D	53-D
17-T,T"		92-D	31-T,D	64-D,U
	ATURIDAE	NEOACARIDAE	43-U	72-T,U
PIONIDAE			55-T",D,U	73-D,U
	17-T,T",D	17-D	64-U	81-D
1-U	19-D	55-T",D,U	66-T"	83-D
6-D	26-D	69-T,T"	69-T,T",D	91-D
9-D	43-U	92-D	83-D	93-T,T",D
10-U	55-T",D,U	NIPPONACARIDAE	89-T,D	94-D,U
11-U	66-T"		92-T,D	95-U
17-T,T",D	59-T,T",D		98-D,U	97-D,U
18-D	92-T,D	69-T"	103-U	98-U
19-D,U		UCHIDASTYGACARIDAE	104-D	104-D,U
26-D	AXONOPSIDAE		111-D	105-U
31-T,D		17-D	112-T"	109-T",D,U
43-U	6-D	55-T",D,U		111-T,T",D
55-T",D,U	17-T,T",D	69-T,T"	HUNGAROHYDRA-CARIDAE	CANESTRINOIDEA
64-U	18-D	ACALYPTONOTOIDEA	17-D	23-T,T",D,U
69-T,T",D	19-D	ACALYPTONOTIDAE	55-T",D,U	50-U
83-D	26-D		69-T,T"	CANESTRINIIDAE
59-T,D	43-U	17-D	ACARIDEI	
92-T,D	55-T",D,U	55-D		7-U
98-D,U	64-U	92-D	ATHIENEMAN-NIIDAE	9-U
103-T,U	69-T,T",D		32-D,U	12-T,T",D
104-D	89-T,D		91-U	16-D,U
105-U	92-T,D		112-D	18-T,T",D
107-D,U	103-U		115	19-T,D,U
111-D,U	111-D		116	23-T,T",D,U
PONTARACHNIDAE	MIDEOPSOIDEA		117	39-D
		69-T,T",D	125	43-U
1-T		92-D	126	64-U
17-T,T",D	KANTACARIDAE		130	69-U
18-D		HARPAGOPALPIDAE	133	93-D
43-U			149	97-T",U
92-T,D	MIDEIDAE	17-T,T"	153	104-U
104-D		55-T",D,U	157	106-T",D
		69-T,T"	163	111-D
	17-D	KRENDOWSKIIDAE		112-T
	19-D		ANOETOIDEA	HEMISARCOPTIDAE
UNIONICOLIDAE	43-U			
	55-D	17-T,T",D		7-D
1-U	69-T	55-D	1-T,T",D,U	9-D
6-D	92-D	69-T	4-T",D	10-D
9-D	98-U		7-U	11-D
17-T,T",D	111-U	BOGATOIDEA	9-T,D,U	16-D
18-T,T",D			10-U	19-D
19-D,U		BOGATIIDAE	12-T,T",D,U	23-T,T",D,U
26-D	MIDEOPSIDAE		16-D,U	40-T,T"
43-U			18-T",D	43-U
55-T",D,U	6-D		19-T,D,U	64-U
64-U	17-T,T",D	HORREOLANIDAE	23-T,T",D,U	104-D
66-T"	18-D		33-D	
69-T,T",D	19-D	17-T"	40-D	
83-D	26-D	69-T"		
89-T,D	43-U			
92-T,D	55-T",D,U			

LINOBIIDAE	CARPOGLYPHIDAE	CTENOGLYPHIDAE con't.	GLYCYPHAGIDAE con't.	ROSENSTEIN- IIDAE con't.
12-D	1-D	19-D	73-D	50-U
15-U	7-U	23-T, T'', D, U	77-D	57-U
19-D	9-D	52-D	81-D	64-U
23-T, T'', D, U	12-D	72-D	82-U	67-D
43-U	16-D	77-D	83-D	69-T, T''
67-U	18-D	83-D	88-D	72-T
69-D	19-D	104-D	91-U	106-T'', D
ACAROIDEA	23-T, T'', D, U	111-D	94-U	111-D
	40-D, U		95-U	
	50-U		97-D, U	
22-T, T'', D, U	52-D	EWINGIDAE	98-D, U	SAPROGLYPHIDAE
23-T, T'', D, U	58-D	7-D	104-D	1-T, T''
42-D, U	71-D	23-T, T'', D, U	105-U	7-U
45-D, U	72-D	48-D	106-D, U	9-D, U
57-U	73-D	50-U	107-D, U	12-T, T'', D, U
65-U	77-D	57-T'', D	111-D	16-U
92-D	81-D	64-U	112-T'', D	19-D
183	83-D	69-D, U		23-T, T'', D, U
	88-D	71-D, U		48-U
	94-U	72-T		50-U
ACARIDAE	95-U	104-D	1-T, D	52-T, T'', D, U
	98-D, U	107-D, U	18-D	58-D
1-T, T'', D, U	104-D		23-T, T'', D, U	64-U
4-D	106-D, U		43-U	67-U
6-D	111-D	FUSCARIDAE	50-U	72-T
7-D, U		12-D	72-T	81-D
8-U		19-U	95-U	83-D
9-D, U	CHAETODACTYLIDAE	23-T, T'', D, U	97-U	97-D, U
10-D, U		72-T	104-U	104-D, U
11-D, U	9-U	83-D		108-D
12-T, T'', D, U	12-D	98-D, U		111-D
16-D, U	16-U	104-D	HYPODERIDAE	
18-D	19-D, U		12-T, T''	LISTROPHOROIDEA
19-T, T'', D, U	23-T, T'', D, U		14-D	
23-T, T'', D, U	48-U		23-T, T'', D, U	36-D, U
29-U	72-D		69-U	172
30-D	73-D	GLYCYPHAGIDAE	112-T''	
33-T, T'', D, U	83-D	1-T, D		CHIRORHYNCHO- BIIDAE
39-D, U	104-D	4-D		
40-T, T'', D, U	105-U	7-D, U		
43-U	111-D	9-D, U		
47-D, U		10-D	LABIDOPHORIDAE	
48-T'', D, U		11-D		
50-U	CHORTOGLYPHIDAE	12-T, T'', D, U	9-D, U	57-T'', D
51-U		16-D, U	12-T'', D, U	69-T''
52-T, T'', D, U	7-U	18-T'', D	18-D	71-T''
53-D	12-D	19-T, D, U	19-D	LISTROPHORIDAE (s.s.l.)
64-U	16-U	20-D	23-T, T'', D, U	1-T, T'', D
67-T, T''	18-D	23-T, T'', D, U	30-T, T'', D	4-T, T'', D, U
72-T, D, U	19-D	29-U	34-D, U	8-U
73-D	23-T, T'', D, U	30-T, T'', D, U	36-D	9-D, U
77-D, U	33-D	33-D	50-U	10-D
81-D	50-U	34-U	57-T'', U	12-T, T'', D, U
83-D	52-D	36-D	64-U	14-D
88-T, T'', D	64-U	39-D, U	67-D, U	18-T'', D
91-T'', D, U	72-D	43-U	83-D	19-T, D
93-T, T'', D	73-D	47-D, U	104-D, U	20-T, T'', D
94-D, U	77-D	48-U	106-D, U	29-U
95-U	81-D	50-U	111-D	30-D
97-D, U	83-D	52-D, U	ROSENSTEIN- IIDAE	34-D, U
98-D, U	97-D	57-D, U		39-T'', D, U
104-D, U	104-D	58-D		43-U
105-U	108-D	64-U		45-T'', U
106-D, U	111-D	67-D, U	12-T, T'', D	48-U
107-D, U		69-T'', D	23-T, T'', D, U	
108-D		72-D	48-T''	
111-D	CTENOGLYPHIDAE			
112-T	12-T''			

LISTROPHORIDAE (s.s.l.) con't.	LEMURNYSSIDAE	YUNKERACARIDAE	DERMOGLYPHIDAE con't.	PROCTOPHYLLO- DIDAE con't.
50-U	71-T''	30-T, T'', D	64-D, U	11-U
57-D, U	72-T''	57-D	67-D, U	12-T, T'', D, U
64-U		71-T''	69-U	14-T, T'', D, U
67-T, D, U	LOBALGIDAE	72-T	98-D, U	18-T'', D
69-D			104-U	19-T, D, U
72-T	30-T, T''	ANALGOIDEA	105-U	20-T'', D
83-D	72-T''	7-U	106-T, T'', D, U	23-D, U
91-U		22-T, T'', D, U	107-D, U	30-D, U
95-U		23-D, U	111-T, T'', D, U	43-U
97-D, U	PNEUMOCOPTIDAE	34-D, U		48-T, T'', D, U
98-U		36-D		50-T'', U
100-D	45-D	39-U	EPIDERMOPTIDAE	60-T, T'', D, U
104-U	57-D	57-U	1-D	64-D, U
105-U	71-T''	67-U	8-U	65-U
106-T, T'', D, U	72-T	92-T'', D	9-D	67-D, U
107-D, U		118	11-D, U	69-T, T'', D
111-D, U		120	14-T'', D, U	83-D
112-T	PSOROPTIDAE		18-T'', D	91-U
		ANALGIDAE	19-T, D, U	95-U
MYOCOPTIDAE	1-T, T''		20-D	97-U
	4-D		23-D, U	98-D, U
	8-U	1-U	30-T, D	104-U
4-D	12-D	9-D	39-T'', D, U	105-U
11-D	14-T, T'', D	12-T, D, U	45-T'', D	106-T'', D, U
12-T, T'', D, U	18-D	14-T, T'', D, U	50-U	107-T'', D, U
18-T'', D	19-D	18-D	64-U	108-D
20-T, T , D	29-D	19-T, T'', D, U	67-D, U	111-T, T'', D, U
23-D, U	30-T, T'', D	20-D	69-U	112-T, T''
29-U	34-U	23-D, U	83-D	
30-T, T'', D, U	39-D, U	30-D	TURBINOPTIDAE	
34-U	43-U	39-D	104-U	4-T'', D
39-D	45-D	45-D	105-U	7-U
45-D	48-D, U	48-T, T'', U	106-T, T'', D, U	9-D
48-U	57-D	50-U	107-U	23-D, U
50-U	64-D, U	60-D, U	111-D, U	50-U
64-U	67-D	64-D, U	112-T	67-D, U
67-D, U	69-T'', D	65-U		72-T
69-T'', D	82-D, U	67-D, U	FREYANIDAE	104-D
83-D	83-D	69-U		
91-D	91-D	83-D		
100-D	95-U	91-U	7-D,	
104-D	97-D	95-U	12-T, D, U	SARCOPTOIDEA
106-D, U	98-D, U	97-U	14-T, T'', D, U	
108-D	104-D	98-D, U	18-D	EVANSACARIDAE
111-U	105-U	104-U	19-D	
	106-D	105-U	20-D	KNEMIDOCOPTIDAE
RHYNCOPTIDAE	108-D	106-T, T'', D, U	23-D, U	
	111-D	107-D, U	48-T, T'', U	
PSOROPTOIDEA		108-D	50-U	
		111-T, T'', D, U	60-D, U	
	PYROGLYPHIDAE		64-U	4-D
			67-U	7-D
50-U	4-D	DERMOGLYPHIDAE	69-U	12-D
	9-D		83-D	18-D
AUDYCOPTIDAE	14-T, T'', D	8-U	104-U	19-D
	18-D	9-D	105-U	20-D
	30-T, T'', D	11-D	106-T'', D, U	45-D
72-T''	33-D	12-T, T'', D, U	107-U	50-U
97-T	34-D	14-T, T'', D, U	111-T, T'', D, U	57-D
	45-D	18-D		64-D
GASTRONYSSIDAE	71-D	19-T, T'', D, U		67-D, U
	72-T	20-D	PROCTOPHYLLO- DIDAE	69-U
	81-D	23-D, U		72-D
18-D	88-D	30-D		83-D
57-T'', D	97-U	48-T, T'', U	1-D, U	95-U
71-T''	104-D	50-U	7-D	97-T'', D
72-T''		60-D, U	9-D	98-D, U

KNEMIDOCOPTIDAE con't.	LAMINOSILOPTIDAE	PALEACAROIDEA con't.	PARHYPOCHTHON- IIDAE con't.	COSMOCHTHON- IIDAE con't.
104-D	1-U	82-U	43-U	87-D, U
111-D	8-U	97-U	65-D	111-D
	19-D		72-T	
	50-U		82-D, U	
	71-D		87-D	
SARCOPTIDAE	91-D	ACARONYCHIDAE	92-T, D	HAPLOCHTHONIIDAE
1-D		43-U	104-U	5-D
2-T	ORIBATEI	48-U		11-D
4-D		71-D		48-U
6-D	1-U	72-T	ENARTHRONOTA	65-D
7-D	8-U	87-D		71-D
8-U	15-U	95-D	82-D, U	87-U
10-D	16-D, U	104-U		
12-T, T'', D, U	21-U	108-D		
18-D	23-T, T'', D, U			HETEROCHTHONIIDAE
19-D	24-D			
20-D	29-U	CTENACARIDAE		
29-D	33-U		5-T	
30-T, T'', D, U	34-U	5-U	10-D	
39-T'', D, U	36-U	9-U	11-D	
45-D	40-U	11-U	65-D	
48-D, U	43-U	71-D	71-D	HYPOCHTHONIIDAE
50-U	50-U	87-D		
57-D	63-D, U	104-U		1-T, D
64-D, U	64-U	108-D		5-D
67-T, D, U	69-U		BRACHYCHTHON- IIDAE	9-U
69-D	71-D, U			10-D
72-D	75-T, D, U	PALEACARIDAE	5-D	11-D, U
83-D	82-D, U		9-U	13-D
91-D	86-T, T'', D, U	5-D, U	10-D, U	18-D
95-U	91-U	9-U	11-D, U	19-D
97-T, T'', D	93-T'', D	10-D	13-D, U	21-D
98-D, U	97-U	11-D, U	18-D, U	43-U
104-D	98-U	64-U	19-D	64-U
105-U	104-U	65-D	21-D	65-D
106-D, U	112-D	71-D	38-U	67-U
107-U	115	72-T	43-U	71-D
108-D, U	116	76-D	48-D, U	73-D
111-D	122	82-D, U	65-T'', D, U	76-D
	124	104-D, U	72-T	79-T'', D
TEINOCOPTIDAE	127	107-U	76-D, U	82-D, U
	128	108-D	82-D, U	83-D
	130		83-D	87-D, U
1-D	131		87-U	92-T, D
4-T'', D	133	PARHYPOCHTHON- IOIDEA	92-T, D	95-D, U
12-D	136		95-U	97-U
29-D	137		97-D, U	98-U
39-D	139	43-U	104-D	104-D
57-D	140	82-U	105-U	105-U
67-T, D, U	143		111-D	107-U
	149			108-D
	151	GEHYPOCHTHONIIDAE		111-D
CYTODITOIDEA	157		COSMOCHTHONIIDAE	
45-D	171	5-U		
	182	10-D	5-D	PTEROCHTHON- IIDAE
CYTODITIDAE	ORIBATEI INFER- TORES	11-D	9-U	
8-U		65-D	10-D	
19-D	23-T, T'', D, U	72-T	11-D, U	
50-U	32-T, T'', D, U	79-D	18-D	5-D
64-U			19-D, U	10-D
83-D			38-U	11-D, U
97-D	PALEACAROIDEA	PARHYPOCHTHON- IIDAE	43-U	19-D
104-D		5-D, U	65-T'', D, U	65-D
111-D	5-U	10-D	67-U	71-D
112-T''	43-U	11-D, U	79-T, T'', D	
			81-D	
			82-D	

SPHAEROTHONIIDAE	EUPHTHIRACARIDAE con't.	EPILOHMANNIIDAE con't.	PERLOHMANNIIDAE con't.	HERMANNIIIDAE con't.
5-D	13-D, U	65-D, U	95-D, U	94-U
21-D	18-D	67-T, D	104-U	95-D, U
38-U	19-D	71-U	108-D	97-D, U
43-U	38-U	72-T		98-D
71-D	48-U	79-T"		104-D, U
87-U	65-D, U	87-U		108-D
95-D	67-T, T", D	95-D, U		111-D
107-U	71-D, U	97-U	18-D	112-T, T"
	72-T	104-D	82-U	
	76-D	105-U		
PROTOLOPHOROIDEA	79-T, T", D, U	111-D		HOLONOTHRIDAE
	82-D, U	112-T		
	83-D		CAMISIIDAE	21-D
PROTOLOPHORIDAE	87-U			71-U
	95-T", D, U	EULOHMANNIIDAE	1-T	
43-U	104-U	5-D	5-T, D, U	MALACONOTHRIDAE
71-U	112-T	9-D, U	7-U	
		10-D	9-D, U	5-U
MESOLOPHOROIDEA	PHTHIRACARIDAE	11-D	10-D, U	9-U
		13-D	11-D, U	10-D, U
82-U	7-U	18-D	13-D	11-U
	9-U	19-D	18-D	
	10-D, U	52-D	19-D	13-D, U
	11-D, U	65-D, U	21-D	18-D, U
ARCHOLOPHORIDAE	13-D, U	71-D	43-U	19-D, U
	18-T, D	73-D	48-D, U	21-D
10-D	19-D, U	76-D	52-D	38-U
11-D	21-D, U	82-D	64-U	43-U
65-D	38-U	87-U	65-D, U	47-U
	43-U	92-D	67-T, D	48-U
	48-U	95-D, U	71-D	65-D, U
MESOLOPHORIDAE	64-U	97-U	72-T	67-U
	65-D, U	104-D	73-D	71-D, U
	67-T, T"		76-D	73-D
5-T, U	71-D, U		79-T", D	76-D
11-D	72-T		82-D, U	79-T", D
43-U	73-D		83-D	82-D, U
48-D, U	76-D	1-T	87-U	83-D
67-U	82-D, U	5-T	92-D	87-D, U
71-D	83-D	9-U	94-U	92-D
82-D, U	87-U	19-D	95-T", D, U	95-D, U
87-U	91-U	21-D	97-U	97-U
95-D, U	92-D	43-U	98-U	104-U
104-U	95-T", D, U	48-U	104-U	111-D
	97-U	52-D	105-U	
PHTHIRACAROIDEA	98-T"	64-U	107-U	
	104-D, U	65-D, U	111-D	NANHERMANNIIDAE
50-T"	107-U	67-U	112-T	
52-D, U	108-D	71-U		5-D
82-U	111-D	79-T"		9-U
	112-T, T"	82-T	HERMANNIIDAE	10-D, U
COLLOHMANNIIDAE		87-D, U		11-D, U
79-T"	LOHMANNIOIDEA	95-D, U	5-D, U	13-D
82-D		98-U	9-D, U	18-D, U
95-D, U		104-D, U	13-D	19-D
		105-U	18-T, D	21-D
		107-U	19-D	48-D, U
EUPHTHIRACARIDAE	EPILOHMANNIIDAE	112-T, T"	43-U	52-D
			48-D, U	65-D, U
	5-D		52-D	67-U
	19-D	PERLOHMANNIIDAE	71-D	71-D, U
	21-D		73-D	73-D
5-D, U	48-D	5-D	76-D	76-D
9-T, U	64-U	11-D	79-T", D	79-T, T", D
10-D, U		71-U	82-D, U	82-D, U
11-D, U		82-D	83-D	83-D
			92-D	87-U

NANHERMANNIIDAE con't.	ORIBATEI CIRCUMDE- HISCENTIAE	EREMAEIDAE con't.	GYMNODAMAEIDAE	AMEROBELBIDAE
92-D	15-U	18-D	5-D, U	· 5-U
95-T", D, U	23-T, T", D, U	19-D, U	9-D, U	19-U
97-U	32-T, T", D, U	21-D	10-D, U	52-D
104-U	50-U	43-U	11-U	82-U
111-D	106-U	47-U	19-D, U	
		52-U	38-U	
		64-U	48-U	CTENOBELBIDAE
		65-D, U	65-D, U	
NOTHRIDAE	PYCNONOTICAE	67-D	71-U	5-U
5-D, U	7-U	71-U	72-T	79-T"
9-U	82-U	73-D	79-T, T", D	82-D, U
10-D, U		76-D	82-D, U	87-U
11-D, U		79-T, T", D	87-U	
13-D	NEOLIODOIDEA	82-D, U	92-D	DAMAEOLIDAE
19-D, U		83-D	95-T", D, U	
21-D		87-U	112-T	
43-U	NEOLIODIDAE	92-D		5-U
47-U		95-T", D, U		13-D, U
48-U	5-D	97-U		19-D
52-D	6-D	98-U	LICNOBELBIDAE	
65-D, U	9-U	104-U	5-U	EREMOBELBIDAE
67-T, U	11-U	107-U	79-T, T", D	
71-D, U	13-U	111-D	82-D, U	
72-T	19-T", D	112-T, T"		5-U
73-D	21-D			9-D
76-D	43-U	HERMANIELLOIDEA	LICNODAMAEIDAE	10-D
79-T, T", D	65-D, U			11-D
81-D	67-T	43-U	5-U	13-U
82-D, U	71-U	82-U	9-U	19-D
83-D	79-T", D		48-U	21-U
87-D, U	82-D, U		79-T", D	38-U
92-D	83-D	HERMANNIELLIDAE	82-D, U	65-D, U
95-T", D, U	87-U		87-U	71-D
97-U	95-T", D, U		95-T", D, U	72-T
104-D	97-U	5-D, U		79-T"
108-D	104-U	9-U		87-U
111-D	111-D	11-D, U	LIODIDAE	92-D
112-T, T", D	112-T, T"	13-D		95-D, U
		19-D	67-T, T"	104-D
		43-U	111-D	EREMULIDAE
		48-U		
TRHYPOCHTHONIIDAE	ZETORCHESTOIDEA	52-D		5-U
5-D, U		64-U	PLATEREMAEIDAE	11-D, U
9-D, U	ZETORCHESTIDAE	65-D, U		65-D, U
10-D		71-D	19-D, U	82-D, U
11-D	5-D	76-D	71-U	87-U
19-D, U	19-D	79-T", D	82-D, U	95-D, U
21-D	43-U	82-D, U	87-U	
38-U	48-U	87-U	97-U	UNGROUNDED FAMILIES
43-U	71-D	95-T", D, U	104-U	
48-D	79-D	97-D, U		
52-D	82-D, U	104-U	AMEROBELBOIDEA	32-T, T", D, U
65-D, U	111-D			50-U
67-D		PLASMOBATIDAE	92-T, D	ASTEGISTIDAE
71-D, U				
73-D	EREMAOIDEA	11-U	AMERIDAE	5-D
76-D		52-D		10-D
79-T, T", D		71-U	5-U	19-D
82-D, U	EREMAEIDAE	87-U	13-D	38-U
87-U			43-U	48-D, U
92-T, D	5-T, D, U	PLATEREMAEOIDEA	71-D	52-D
105-U	7-U		73-D	65-D, U
111-D	9-D, U	52-U	82-D, U	82-D, U
	10-D, U	82-U	111-D	95-D, U
	11-U			111-D
	12-D			
	13-D, U			

AUTOGNETIDAE	CEPHEIDAE con't.	DAMAEIDAE con't.	HYDROZETIDAE con't.	MICROZETIDAE con't.
5-U 9-D,U 19-D 65-D,U 82-D,U 95-D,U	13-D,U 18-D 19-D 43-U 48-U 52-D 65-D,U 71-D 72-T 76-D 13-D,U 21-D 48-U	82-D,U 87-U 95-D,U 97-U 104-U 108-D 111-D 112-T	19-D 43-U 52-D 71-D 82-D,U 83-D 87-U 92-T,D 95-D,U 104-U 108-D 111-D 112-T,T"	95-T",D,U 112-T
BASIOBELBIDAE		DAMPFIELLIDAE	LIACARIDAE	5-U 65-D,U 82-D,U
13-D,U 21-D 48-U	79-T",D 82-D,U 83-D 87-U 92-T,D 95-D,U 104-U 108-D 111-D 112-T,T"	5-U 9-U 71-U 87-D,U	1-U 5-D,U 7-U 9-D,U 10-D,U 11-D,U 12-D 13-D,U 18-D,U 19-D,U 43-U 48-D,U 52-D 65-D,U 72-T 76-D 79-T",D 82-D,U 83-D 87-U 92-D,U 95-T",D,U 97-U 104-U 107-U 111-D,U 112-T,T"	NOTASPIDAE
CALEREMAEIDAE		EREMELLIDAE		1-T" OPPIIDAE
5-U 19-D 65-D,U 79-T",D 82-D,U 92-D	5-U 79-D 82-D,U	5-U 13-D 18-D,U 19-D,U 43-U 48-D,U 52-D 65-D,U 71-U 72-T 73-D 76-D 79-T,T",D 82-D,U 83-D 92-T,D 95-T",D,U 97-U 104-U 107-U 111-D,U 112-T,T"	1-U 5-D,U 7-U 9-D,U 10-D,U 11-D,U 12-D 13-D,U 18-D,U 19-D,U 43-U 48-D,U 52-D 65-D,U 71-U 72-T 73-D 76-D 79-T,T",D 82-D,U 83-D 92-T,D 95-T",D,U 97-U 104-U 107-U 111-D,U 112-T,T"	1-T" OPPIIDAE
CARABODIDAE		EUTEGAEIDAE		5-T,U 7-U 9-D,U 10-D,U 11-D,U 13-D,U 18-D 19-D 21-D 22-D 38-U 43-U 47-U 48-D,U 52-D 64-U 65-D,U 67-T,T",D 71-D 72-T 73-D 76-D 79-T,T",D 81-D 82-D,U 83-D 87-U 92-D 95-D,U 97-D,U 104-U 105-U 107-U 111-D,U 112-T,T"
5-D,U 9-D,U 10-D,U 11-D,U 13-D,U 18-D 19-D 21-D 22-D 38-U 43-U 47-U 48-D,U 52-D 64-U 65-D,U 67-T,T",D 71-D 72-T 73-D 76-D 79-T,T",D 81-D 82-D,U 83-D 87-U 92-D 95-D,U 97-D,U 104-U 105-U 107-U 111-D,U 112-T,T"	5-D,U 9-D,U 10-D,U 11-U 13-D,U 19-D 21-D 43-U 48-D 52-D 65-D,U 72-T 76-D 79-T",D 82-D,U 83-D 87-U 92-D 95-D,U 97-D 111-D 112-T	5-D,U 13-D 65-D,U 71-U 72-T 73-D 76-D 79-T,T",D 82-D,U 83-D 92-T,D 95-T",D,U 97-U 104-U 107-U 111-D,U 112-T,T"	5-T,U 7-U 9-D,U 10-D,U 11-D,U 12-D 13-D,U 18-D,U 19-D,U 43-U 48-D,U 52-D 65-D,U 71-U 72-T 73-D 76-D 79-T,T",D 82-D,U 83-D 92-T,D 95-T",D,U 97-U 104-U 107-U 111-D,U 112-T,T"	5-T,U 7-U 9-D,U 10-D,U 11-D,U 12-D 13-D,U 18-D,U 19-D,U 43-U 48-D,U 52-D 65-D,U 71-U 72-T 73-D 76-D 79-T,T",D 82-D,U 83-D 92-T,D 95-T",D,U 97-U 104-U 107-U 111-D,U 112-T,T"
CEPHEIDAE	DAMAEIDAE	GUSTAVIIDAE	LIMNOZETIDAE	OTOCEPHEIDAE
5-D,U 9-D,U 10-D,U 11-D,U 13-D,U 18-D 19-D 21-D 22-D 38-U 43-U 47-U 48-D,U 52-D 64-U 65-D,U 67-T,T",D 71-D 72-T 73-D 76-D 79-T,T",D 81-D 82-D,U 83-D 87-U 92-D 95-D,U 97-D,U 104-U 105-U 107-U 111-D,U 112-T,T"	5-D,U 82-D,U 83-D 87-U 92-D 95-T",D,U 97-U 97-U 104-U 111-D	5-D,U 19-D 43-U 52-D 71-D 76-D 79-T",D 82-D,U 83-D 87-D,U	5-D 19-D 43-U 49-U 71-D 82-D,U 92-D	5-U 21-D 38-U 43-U 67-T 71-U 87-U 92-D
5-D,U 9-D,U 10-D 11-D	HETEROBELBIDAE	METRIOOPPIIDAE	MICROZETIDAE	PELOOPPIIDAE
5-D,U 9-D,U 10-D 11-D	48-U 52-D 64-U 65-D,U 71-U 72-T 76-D 79-T,T"	71-D 87-D,U	5-T,U 19-D 38-U 43-U 48-U 52-U 71-U 82-D 87-U	87-U 92-D
	HYDROZETIDAE			
	5-D 13-U			

PELOPPIIDAE con't.	TENUALIDAE con't.	CYMBAREMAEIIDAE con't.	PODACARIDAE con't.	ACHIPTERIIDAE con't.
13-U	98-T"	64-U	21-D	9-D, U
43-U	104-D, U	65-D, U	43-U	10-U
48-U	111-D	67-T, D	52-D	11-U
52-D, U		71-D	67-D	13-D, U
65-D, U		76-D	71-D	19-D, U
79-T, T", D	THYRISOMIDAE	79-T", D		43-U
82-D, U		82-D, U	SCUTOVERTICIDAE	48-U
83-D	5-U	83-D		52-D
95-D, U	9-D, U	92-T, D	65-D, U	65-T", D, U
97-U	13-D	95-T", D, U	13-D, U	71-D, U
98-D	19-D	97-U	19-D	72-T
104-U	65-D, U	104-U	21-D	76-D
108-D	76-D	107-U	43-U	79-T", D
111-D	82-D, U	111-D	48-D, U	82-D, U
112-T, T"	83-D		52-D	83-D
			71-D	87-U
POLYPTEROZETIDAE	TOKUNOCEPHEIDAE	FORTUYNIIDAE	76-D	92-T, D
5-T			79-T, T", D	95-T", D, U
11-U	TRIZETIDAE		82-D, U	104-U
			83-D	
		LICNEREMAEIIDAE	92-D	
RHYNCHORIBATIDAE	PORONOTICAE		111-D	PHENOPELOPIDAE
71-D	43-U	5-U	112-T, T"	5-D, U
87-U	50-U	13-D		19-D, U
	82-U	18-D, U	SELENORIBATIDAE	48-U
SUCTOBELBIDAE	LOWER PLICATES	19-D		71-D, U
5-D, U		48-U	52-D	72-T
9-U	32-T, T", D, U	65-D, U		82-D, U
10-T", D, U	43-U	76-D		105-U
11-D, U	82-U	79-T", D	TECTOCEPHEIDAE	
13-U		82-D, U	5-D, U	TEGORIBATIDAE
16-D		87-U	9-D, U	5-D
19-D	AMERONOTHRIDAE	MICREREMIDAE	10-D, U	9-D, U
43-U		5-D	11-D, U	11-U
47-U	9-D, U	9-D	13-D, U	12-D
48-U	19-D	13-D, U	19-D	19-D
52-U	21-D	19-D	21-D	48-U
65-D, U	43-U	65-D, U	38-U	52-D, U
71-D, U	52-D	73-D	43-U	65-D, U
72-T	71-D	76-D	48-D, U	71-D
73-D, U	76-D	79-T, D	52-D	72-T
76-D, U	82-D, U	82-D, U	65-D, U	79-T", D
79-T, T", D	95-T", D, U	83-D	71-D, U	82-D, U
82-D, U	111-D	111-D	73-D	95-T", D, U
92-D			76-D	
95-T", D, U			79-T, T", D	
111-D	CHARASSOBATIDAE	PASSALOZETIDAE	82-T, D, U	
112-T, T"			83-D	APOPHEREDERMES
	5-U	5-D, U	95-T", D, U	
	71-D	13-U	104-D	ORIBATELLIDAE
TENUIALIDAE	87-U	19-D		5-D, U
9-U	95-T", D, U	21-D		9-D, U
12-D		52-D	HIGHER PLICATES	11-D, U'
19-D	CYMBAREMAEIIDAE	65-D, U		13-D, U
48-U		79-T, T", D	32-D, U	18-D
52-D, U	5-D	82-T, D, U	43-U	19-T, T", D
65-D, U	7-U	92-D	82-U	32-D, U
71-D	9-D	95-T", D, U		43-U
72-T	13-D			48-D, U
76-D	19-D	PODACARIDAE	ACHIPTERIIDAE	50-U
95-T", D, U	43-U			52-D, U
97-D, U	52-D	5-U	1-T	64-U
			5-D, U	65-D, U

ORIBATELLIDAE con't.	ORIBATULIDAE	STELECHOBATIDAE	EUZETIDAE con't.	UNGROUPIED FAMILIES
	1-T		52-D	
71-D, U	5-D, U	MACROSCLEROSAE	71-D	50-U'
72-T	9-D, U		73-D	
76-D	10-D	18-T, T'', D	76-D	
79-T, T'', D	11-D, U	32-T, T'', D, U	82-D, U	CALOPPIIIDAE
82-D, U	13-D, U	43-U	83-D	
83-D	18-D	50-U	95-D, U	21-D
87-U	19-T, T'', D, U	82-U	111-D	
92-D	21-D			
94-U	38-U			
95-T'', D, U	43-U	CERATOZETIDAE	GALUMNIIDAE	EPACTOZETIDAE
98-U	47-U			
104-U	48-U	5-D, U	5-U	38-D, U
107-U	52-T, D, U	9-D, U	9-U	71-U
108-D	64-U	10-D, U	10-D, U	87-D, U
111-D	65-D, U	11-U	11-D, U	
112-T, T''	67-T, T'', D	13-D, U	13-D, U	ZETOMOTRICHIDAE
	71-D, U	18-T, D, U	18-D, U	
	72-T	19-T'', D, U	19-D, U	5-U
EXCENTROSCLEROSAE	73-D	21-D	21-D	
	76-D	38-U	38-U	
32-D, U	79-T, T'', D	43-U	39-T'', D	
43-U	82-D, U	48-D, U	43-U	
50-U	83-D	52-T, T'', D, U	47-U	
82-U	87-U	64-U	48-U	
	92-T, D	65-T'', D, U	52-T, T'', D, U	
	94-U	67-T, T'', D	64-U	
HAPLOZETIDAE	95-T'', D, U	71-D, U	65-D, U	
	97-U	72-T	67-T, T''	
1-T	98-U	73-D	71-D, U	
5-T, D, U	104-U	76-D	72-T	
9-D, U	107-U	79-T, T'', D	73-D	
10-D, U	108-D	82-D, U	76-D	
11-D, U	111-D	87-U	79-T, T'', D	
18-T, T'', D		92-T, D	82-D, U	
19-D, U		95-D, U	87-U	
21-D	ORIPODIDAE	97-U	92-D	
38-U		98-U	94-U	
48-U	5-U	104-U	95-D, U	
52-T'', D, U	11-U	107-U	97-U	
64-U	47-U	111-D	98-U	
65-D, U	48-U	112-T, T''	104-D, U	
67-T	52-D, U		105-U	
71-D	65-D, U		107-U	
72-T	71-D, U	CHAMOBATIDAE	108-D	
87-D, U	72-T		111-D	
92-D	95-T'', D, U	5-D, U	112-T	
95-D, U	107-U	9-D		
97-U		10-U		
104-U		11-D, U	MYCOBATIDAE	
112-T, T''	PARAKALUMMIDIAD	13-D, U		
		19-D	5-U	
MOCHLOZETIDAE	5-U	52-D, U	9-D, U	
	10-U	71-D	10-U	
	21-D	73-D	13-U	
19-D, U	48-U	76-D	19-D	
21-D	65-D, U	79-T'', D	21-D	
52-D, U	71-D	82-D, U	48-U	
71-U	72-T	83-D	52-D, U	
87-U	87-D, U	92-D	65-D, U	
	97-U	111-D	71-D	
NEOTRICOZETIDAE	112-T, T'', D		73-D	
			76-D	
71-D	SELLNICKIIDAE	EUZETIDAE	79-T'', D	
			82-D, U	
	5-U		92-T, D	
	111-T, T'', D	13-D	111-D	
		19-D, U		

II. HOLDINGS OF INDIVIDUAL COLLECTIONS

The information in this section identifies the collection with a unique code number for cross reference purposes, identifies the acarologist(s) currently associated with the collection, provides the location of the collection, and describes the holdings of the collection in terms of:

T = Primary type material

T" = Secondary type material

D = Determined, non-type material

U = Undetermined material

An asterisk (*) preceding the taxonomic group indicates material deposited by a deceased or inactive acarologist. The name of the acarologist(s) can be found at the end of the collection listing.

Detailed information was not available for collections 113-186, 189. Entries for these listings is principally derived from Acarologists of the World to indicate the general scope of the holdings.

It should be noted that an entry indicating type material or determined non-type material of a superfamily or higher category means that all families of that group are represented in the collection. In contrast, an entry indicating undetermined material of a superfamily or higher category means that the material has not been identified to the family level.

1-Mr. D. C. Lee, South Australia Museum, North Terrace, Adelaide, South Australia, 5000.

Parasitiformes	ANYSTOIDEA cont'd.	EYLAOIDEA
HOLOTHYRINA	Heterocheylidae-T, T'', D	Eylaidae-D
Holothyridae-T, T'', D	Pseudocheylidae-T, T''	Limnocharidae-T, D
SEJINA	Pterygosomidae-T, T''	HYDRYPHANTOIDEA
Ichthyostomato-	Teneriffiidae-T, T''	Hydryphantidae-U
gasteridae-T, D	BDELLOIDEA	Thyasidae-T, T''
GAMASINA	Bdellidae-T, T'', D, U	LEBERTIOIDEA
Ameroseiidae-T, T''	Cunaxidae-D	Lebertiidae-U
Ascidae-T, T''	CAECULOIDEA	HYGROBATOIDEA
Dermanyssidae (s.st.)-D	Caeculidae-T''	Pionidae-U
Discozerconidae-U	CHEYLETOIDEA	Pontarachnidae-T
Haemogamasidae-D	Cheyletidae-T, T'', D	Unionicolidae-U
Halarachnidae-D	Demodicidae-D	Acaridei
Hystrichonyssidae-T''	Myobiidae-T, T'', D	ANOETOIDEA
Iphiopsidae-T'', D	Syringophilidae-U	Anoetidae-T, T'', D, U
Laelapidae-T, T'', D, U	ERIOPHYOIDEA	ACAROIDEA
Macrochelidae-T, T'', D, U	Eriophyidae-D	Acaridae-T, T'', D, U
Pachylaelapidae-T, T'', U	EUPODOIDEA	Carpoglyphidae-D
Parasitidae-T, T'', D, U	Eupodidae-D	Glycyphagidae-T, D
Phytoseiidae-T, T'', D, U	Penthaleidae-D	Hyadesiidae-T, D
Raillietidae-D	Penthalodidae-T, T'', D	Saproglyphidae-T, T''
Rhinonyssidae-D	Rhagidiidae-D, U	LISTROPHOROIDEA
Rhodacaridae-T, T'', D, U	HALACAROIDEA	Listrophoridae (s.sl.)-T, T'', D
Spinturnicidae-T'', D, U	Halacaridae-D	PSOROPTOIDEA
Veigaiidae-T, T'', D, U	LABIDOSTOMMOIDEA	Psoroptidae-T, T''
Zerconidae-D	Labidostommiidae-T, T'', D	ANALGOIDEA
UROPODINA-T, T'', D, U	RAPHIGNATHOIDEA	Analgidae-U
DIARTHROPHALLINA	Cryptognathidae-D	Epidermoptidae-D
Diarthrophallidae-T, T'', D	Homocaligidae-T''	Proctophyllodidae-D, U
ANTENNOPHORINA	Neophyllobiidae-T, T''	SARCOPTOIDEA
Celaenopsidae-T, T'', U	Raphignathidae-D	Sarcoptidae-D
Diplogyniidae-T, T'', D, U	Stigmaeidae-T'', D	Teinocoptidae-D
Euzerconidae-D	Tarsocheylidae-T''	CYTODITOIDEA
Fedrizziidae-T, T'', D	TETRANYCHOIDEA	Laminosioptidae-U
Klinckostroemiidae-T, T'', D	Tenuipalpidae-T, T'', D	Oribatei-U
Megisthanidae-T, T'', D, U	Tetranychidae-T, T'', D, U	ENARTHRONOTA
Paramegistidae-T, T''	Tuckerellidae-T, D	Hypochthoniidae-T, D
Parantennulidae-T, T''	TYDEOIDEA	LOHMANNIOIDEA
IXODOIDEA	Ereynetidae-T, T'', D	Lohmanniidae-T
Argasidae-D, U	Tydeidae-T	NOTHROIDEA
Ixodidae-D, U	ERYTHRAEOIDEA	Camisiidae-T
Endeostigmata	Calyptostomidae-D	UNGROUPIED FAMILIES
PACHYGNATHOIDEA	Erythraeidae-T, T'', D, U	Eutegaeidiae-T
Lordalychidae-T, T''	Smaridiidae-T, T'', D	Liacaridae-U
Nanorchestidae-T, T'', D	TROMBIDIOIDEA	Metrioppiidae-T
Pachygnathidae-T, T'', D	Johnstonianidae-D, U	Notaspidae-T''
TARSONEMOIDEA	Trombiculidae-T, T'', D, U	PORONOTICAE
Podapolipodidae-D, U	Trombidiidae-T, T'', D, U	HIGHER PLICATES
Pyemotidae-D, U	Hydrachnellae	Achipteriidae-T
Scutacaridae-T''	HYDRACHNOIDEA	EXCENTROSCLEROSAE
Tarsonemidae-D	Hydrachnidae-D, U	Haplozetidae-T
ANYSTOIDEA	GAMASINA cont'd.	Oribatulidae-T
Anystidae-T, T'', D	Pachylaelapidae-T	
	Rhodacaridae-T	
	IXODOIDEA	
	Ixodidae-T, D	
	TETRANYCHOIDEA	
	Tetranychidae-T	

2-Dr. Ronald Monroe, Queensland Museum, Gregory Terrace, Fortitude Valley 4006, Queensland, Australia.

Parasitiformes	GAMASINA cont'd.	TROMBIDIOIDEA
GAMASINA	Pachylaelapidae-T	Trombiculidae-T
Ascidae-T	Rhodacaridae-T	Acaridei
Dermanyssidae (s.st.)-T	IXODOIDEA	SARCOPTOIDEA
Discozerconidae-T	Ixodidae-T, D	Sarcoptidae-T
Epicriidae-T	TETRANYCHOIDEA	
Laelapidae-T	Tetranychidae-T	
Neoparasitidae-T		

3-Dr. D. F. Waterhouse, C.S.I.R.O., Division of Entomology, P.O. Box 109, Canberra City, A.C.T., 2601, Australia.

Parasitiformes
GAMASINA
Phytoseiidae-U
Prostigmata-U
ANYSTOIDEA
Anystidae-T",D,U

BDELLOIDEA
Bdellidae-T,T",D,U
Cunaxidae-U
EUPODOIDEA-U
Eupodidae-D
Penthaleidae-D

RAPHIGNATHOIDEA
Stigmeidae-U
TETRANYCHOIDEA
Tetranychidae-U
TYDEOIDEA-U
ERYTHRAEOIDEA
Erythraeidae-U
Oribatei-U

4-Dr. Robert Domrow, Queensland Institute of Medical Research, Herston Road, Herston N. 9, Brisbane, Queensland, Australia.

Parasitiformes
HOLOTHYRINA
Holothyridae-D
SEJINA
Ichthyostomatogastridae-D
GAMASINA
Dermyssidae (s.st.)-D
Discozerconidae-T",D
Halarachnidae-D
Hystrichonyssidae-T",D
Laelapidae-T",D,U
Macronyssidae-T",D,U
Rhinonyssidae-T",D
Spinturnicidae-T",D,U
IXODOIDEA
Argasidae-D
Ixodidae-D

TARSONEMOIDEA
Pyemotidae-D
ANYSTOIDEA
Anystidae-D
CHEYLETOIDEA
Cheyletidae-D
Myobiidae-D
LABIDOSTOMMOIDEA
Labidostommidae-D
TETRANYCHOIDEA
Tetranychidae-D
TYDEOIDEA
Ereynetidae-T",D
TROMBIDIODEA
Trombiculidae-T",D,U
Trombidiidae-D

Acaridei
ANOETOIDEA
Anoetidae-T",D
ACAROIDEA
Acaridae-D
Glycyphagidae-D
LISTROPHOROIDEA
Listrophoridae (s.s.l.)-T,T",D,U
Myocoptidae-D
PSOROPTOIDEA
Psoroptidae-D
Pyroglyphidae-D
ANALGOIDEA
Turbinoptidae-T",D
SARCOPTOIDEA
Knemidocoptidae-D
Sarcoptidae-D
Teinocoptidae-T",D

5-Dr. Eduard Piffi, I. Zoologisches Institut der Universitat Wien, Dr. Karl Lueger-Ring 1, Vienna 1, Austria, A-1010.

Prostigmata
CAECULOIDEA
Caeculidae-T,U
Oribatei
PALEACAROIDEA-U
Ctenacaridae-U
Paleacaridae-D,U
PARHYPOCHTHONIOIDEA
Gehypochthoniidae-U
Parhypochthoniidae-D,U
ENARTHRONOTA
Atopochthoniidae-T
Brachychthoniidae-D
Cosmochthoniidae-D
Haplochthoniidae-D
Hypochthoniidae-D
Pterochthoniidae-D
Sphaerochthoniidae-D
MESOPLOPHOROIDEA
Mesoplophoridae-T,U
PHTHIRACAROIDEA
Eupthiracaridae-D,U
LOHMANNIOIDEA
Epilohmanniidae-D
Eulohmanniidae-D
Lohmanniidae-T
Perlohmanniidae-D
NOTHROIDEA
Camisiidae-T,D,U
Hermannidae-D,U
Malaconothridae-U

NOTHROIDEA cont'd.
Nanhermanniidae-D
Nothridae-D,U
Trhypochthoniidae-D,U
NEOLIODOIDEA
Neolioididae-D
ZETORCHESTOIDEA
Zetorchestidae-D
EREMAEOIDEA
Eremaeidae-T,D,U
HERMANIELLOIDEA
Hermannelliidae-D,U
PLATEREMAEOIDEA
Gymnodamaeidae-D,U
Licnobelbidae-U
Licnodamaeidae-U
AMEROBELBOIDEA
Ameridae-U
Amerobelbidae-U
Ctenobelbidae-U
Damaeolidae-U
Eremobelbidae-U
Eremulidae-U
UNGROUPIED FAMILIES
Astegistidae-D
Autogentidae-U
Caleremaeidae-U
Carabodidae-D,U
Cepheidae-D,U
Ceratoppiidae-D,U

UNGROUPIED FAMILIES cont'd.
Damaeidae-D,U
Dampfiellidae-U
Eremellidae-U
Gustaviidae-D,U
Hydrozetidae-D
Liaceridae-D,U
Limnozetidae-D
Microzetidae-T,U
Niphocepheidae-U
Oppidae-T,U
Octocepheidae-U
Polypterozetidae-T
Suctobelbidae-D,U
Thyrisomidae-U
PORONOTICAE
LOWER PLICATES
Charassobatidae-U
Cymbaeremaeidae-D
Liceremaeidae-U
Micreremidae-D
Passalozetidae-D,U
Podacaridae-U
Scutoverticidae-T,D,U
Tectocepheidae-D,U
HIGHER PLICATES
Achipteriidae-D,U
Phenopelopidae-D,U
Tegoribatidae-D

5-continued: Dr. Eduard Piffl, I. Zoologisches Institut der Universitat Wien, Dr. Karl Lueger-Ring 1,
Vienna 1, Austria A-1010.

APOPHEREDERMES	EXCENTROSCLEROSAE cont'd.	MACROSCLEROSAE cont'd.
Oribatellidae-D, U	Oripodidae-U	Euzetidae-U
EXCENTROSCLEROSAE	Parakalumnidae-U	Galumnidae-U
Haplozetidae-T, D, U	MACROSCLEROSAE	Mycobatidae-U
Oribatulidae-D, U	Ceratozetidae-D, U	UNGROUPED FAMILIES
	Chamobatidae-D, U	Zetomotrichidae-U

6-Dr. G. Pretzmann, Naturhistorisches Museum, Burgrig 7, Vienna 1, Austria A-1014

Opilioacariformes	HALACAROIDEA	HYGROBATOIDEA
Opilioacaridae-U	Halacaridae-U	Limnesiidae-D
Parasitiformes	TETRANYCHOIDEA	Pionidae-D
HOLOTHYRINA	Tetranychidae-D, U	Unionicolidae-D
Holothyridae-U	ERYTHRAEOIDEA	ATUROIDEA
GAMASINA	Erythraeidae-D	Axonopsidae-D
Laelapidae-D	TROMBIDIOIDEA	MIDEOPSOIDEA
*Macronyssidae-T, D	Trombidiidae-D, U	Mideopsidae-D
*Spinturnicidae-T, D	Hydrachnellae	ARRENUROIDEA
UROPODINA-D	HYDRACHNOIDEA	Arrenuridae-D
IXODOIDEA	Hydrachnidae-D	ACAROIDEA
Argasidae-D, U	EYLAOIDEA	Acaridae-D
*Ixodidae-T, D, U	Limnocharidae-D	SARCOPTOIDEA
BDELLOIDEA	HYDYPHANTOIDEA	Sarcoptidae-D
Bdellidae-D	Hydrodromidae-D	Oribatei
ERIOPHYOIDEA	Hydryphantidae-D	NEOLIODOIDEA
**Eriophyidae-U	LEBERTIOIDEA	Neolioididae-D
EUPODOIDEA	Oxidae-D	UNGROUPED FAMILIES
Rhagidiidae-D		Damaeidae-D

* = Kolenati Collection, in part.

** = Nalepa Collection

7-Dr. Carlos H.W. Flechtmann, Departamento de Zoologia, Escola Superior de Agricultura "Luiz de Queiroz"
Universidade de Sao Paulo, Piracicaba, Sao Paulc, Brazil.

Parasitiformes	TARSONEMOIDEA	TETRANYCHOIDEA
SEJINA-U	Podapolipodidae-U	Tenuipalpidae-T, D
Sejidae-U	Pyemotidae-T, D	Tetranychidae-T, T", D
GAMASINA	Tarsonemidae-T, D	Tuckerellidae-D
Ascidae-U	ANYSTOIDEA	TYDEOIDEA
Dermanyssidae (s.st.)-U	Anystidae-U	Tydeidae-T, T", D, U
Haemogamasidae-U	Pseudocheylidae-T	ERYTHRAEOIDEA
Ixodorrhynchidae-U	Pterygosomidae-D	Erythraeidae-U
Laelapidae-U	Teneriffidae-D	TROMBIDIOIDEA
Macrochelidae-U	BDELLOIDEA	Trombidiidae-U
Pachylaelapidae-U	Bdellidae-U	ACARIDEI
Parasitidae-U	Cunaxidae-U	ANOETOIDEA
Phytoseiidae-T", D	CAECULOIDEA	Anoetidae-U
Podocinidae-U	Caeculidae-U	CANESTRINOIDEA
Rhodacaridae-U	CHEYLETOIDEA	Canestriniidae-U
Veigaiidae-U	Cheyletidae-T, D, U	Hemisarcopidae-D
UROPODINA-U	ERIOPHYOIDEA	ACAROIDEA
DIARTHROPHALLINA	Eriophyidae-T"	Acaridae-D, U
Diarthrophallidae-U	EUPODOIDEA	Carpoglyphidae-U
ANTENNOPHORINA	Eupodidae-U	Chortoglyphidae-U
Celaenopsidae-U	Penthalodidae-U	Ewingidae-D
Diplogyniidae-U	Rhagidiidae-U	Glycyphagidae-D, U
Klinckostroemiidae-U	RAPHIGNATHOIDEA	Saproglyphidae-U
Megisthanidae-D	Caligonellidae-D	ANALGOIDEA-U
IXODOIDEA	Cryptognathidae-T	Freyanidae-D
Argasidae-U	Neophyllobiidae-U	Proctophyllodidae-D
Ixodidae-U	Raphignathidae-U	Turbinoptidae-U
	Stigmaeidae-D	

(continued next page)

7-continued: Dr. Carlos H.W. Flechtmann, Departamento de Zoologia, Escola Superior de Agricultura "Luiz de Queiroz", Universidade de Sao Paulo, Piracicaba, Sao Paulo, Brazil.

SARCOPTOIDEA
 Knemidocoptidae-D
 Sarcoptidae-D
 Oribatei
 Oribatei Inferiories-U
 PHTHIRACAROIDEA
 Phthiracaridae-U

NOTHROIDEA
 Camisiidae-U
 PYCNOTICAE-U
 EREMAEOIDEA
 Eremaeidae-U

UNGROUPIED FAMILIES
 Liacaridae-U
 Oppidae-U
 PORONOTICAE
 LOWER PLICATES
 Cymbaeremaedae-U

8-Dra. T.J. Heitzmann-Fontenelle, Parasitologia, Instituto Butantan, C.S.T.E., Caixa Postal 65, Sao Paulo, Brasil.

Parasitiformes
 GAMASINA
 Dasyponyssidae-U
 Dermanyssidae (s.st.)-U
 Discozerconidae-U
 Entonyssidae-U
 Haemogamasidae-U
 Halarachnidae-U
 Heterozerconidae-U
 Ixodorrhynchidae-U
 Laelapidae-U
 Macronyssidae-U
 Parasitidae-U
 Raillietidae-U
 Rhinonyssidae-U
 Spelaeorhynchidae-U
 Spinturnichidae-U

IXODOIDEA
 Argasidae-U
 Ixodidae-U
 ANYSTOIDEA
 Pterygosomidae-U
 CHEYLETOIDEA
 Cheyletidae-U
 Demodicidae-U
 Myobiidae-U
 ERIOPHYOIDEA
 Eriophyidae-U
 TETRANYCHOIDEA
 Tetranychidae-U
 ERYTHRAEOIDEA
 Erythraeidae-U
 TROMBIDIOIDEA
 Trombiculidae-U

Acaridei
 ACAROIDEA
 Acaridae-U
 LISTROPHOROIDEA
 Listrophoridae (s.s.l.)-U
 SOROPTOIDEA
 Psoroptidae-U
 ANALGOIDEA
 Dermoglyphidae-U
 Epidermoptidae-U
 SARCOPTOIDEA
 Sarcoptidae-U
 CYTODITOIDEA
 Cytoditidae-U
 Laminosioptidae-U
 Oribatei-U

9-Dr. Evert E. Lindquist, Entomology Research Institute, K.W. Neatby Building, Ottawa 3, Ontario, Canada.

Opilioacariformes
 Opilioacaridae-U
 Parasitiformes
 SEJINA
 Sejidae-U
 Uropodellidae-U
 GAMASINA
 Ameroseiidae-T,D,U
 Arctacaridae-D,U
 Ascidae-T,D,U
 Dermanyssidae (s.st.)-D
 Epicriidae-U
 Eviphididae-D,U
 Haemogamasidae-D,U
 Halarachnidae-D
 Halolaelapidae-U
 Iphiopsidae-U
 Laelapidae-D,U
 Macrochelidae-D,U
 Macronyssidae-D
 Microgyniidae-U
 Otopheidomenidae-T,D
 Pachylaelapidae-D,U
 Parasitidae-U
 Parholaspidae-U
 Phytoseiidae-T,D
 Podocinidae-D,U
 Rhinonyssidae-D
 Rhodacaridae-T,D,U
 Spinturnicidae-D
 Veigaiidae-D,U
 Zerconidae-D,U

UROPODINA-D,U
 ANTENNOPHORINA
 Celaenopsidae-T,D
 Cercomegistidae-T
 Euzerconidae-U
 Hoplomegistidae-U
 IXODOIDEA
 Argasidae-D
 Ixodidae-D
 Endeostigmata
 PACHYGNATHOIDEA
 Alichorhagiidae-D,U
 Lordalychidae-U
 Nanorchestidae-D,U
 Pachygnathidae-D,U
 TARSONEMOIDEA
 Podapolipodidae-U
 Pyemotidae-D,U
 Scutacaridae-U
 Tarsonemidae-T,D,U
 ANYSTOIDEA
 Anystidae-U
 BDELLOIDEA
 Bdellidae-D,U
 Cunaxidae-D,U
 CAECULOIDEA
 Caeculidae-U
 CHEYLETOIDEA
 Cheyletidae-T,D,U
 Harpyrhynchidae-D
 Myobiidae-D
 Psorergatidae-T,D

ERIOPHYOIDEA
 Eriophyidae-T,D,U
 EUPODOIDEA
 Eupodidae-D,U
 Pentaleidae-D,U
 Penthalodidae-D,U
 Rhagidiidae-D,U
 LABIDOSTOMMOIDEA
 Labidostommidae-U
 RAPHIGNATHOIDEA
 Cryptognathidae-D,U
 Eupalopsellidae-D,U
 Neophyllobiidae-U
 Raphignathidae-D,U
 Stigmaeidae-D,U
 TETRANYCHOIDEA
 Tetranychidae-T,D
 TYDEOIDEA
 Ereynetidae-D,U
 Tydeidae-T,D,U
 ERYTHRAEOIDEA
 Erythraeidae-T,D,U
 TROMBIDIOIDEA
 Johnstonianidae-D
 Trombiculidae-D
 Trombidiidae-T,D,U
 EYLAOIDEA
 Eylaidae-T
 HYDRYPHANTOIDEA
 Hydryphantidae-T
 LEBERTIOIDEA
 Lebertiidae-T
 Sperchonidae-T

(continued next page)

9-continued: Dr. Evert E. Lindquist, Entomology Research Institute, K.W. Neatby Building, Ottawa 3, Ontario, Canada.

HYGROBATOIDEA	Oribatei	UNGROUPED FAMILIES
Feltriidae-T	PALEACAROIDEA	Autognetidae-D, U
Hygrobatidae-T, D	Ctenacaridae-U	Carabodidae-D, U
Limnesiidae-T, D	Paleacaridae-U	Cepheidae-D, U
Pionidae-D	ENARTHRONOTA	Ceratoppiidae-D, U
Unionicolidae-D	Brachychthoniidae-U	Damaeidae-U
ARRENUROIDEA	Cosmochthoniidae-U	Dampfiellidae-U
Arrenuridae-T	Hypochthoniidae-U	Gustaviidae-U
Acaridei	PHTHIRACAROIDEA	Liacaridae-D, U
ANOETOIDEA	Euphthiracaridae-T, U	Oppiidae-D, U
Anoetidae-T, D, U	Phthiracaridae-U	Peloppiidae-U
CANESTRINOIDEA	LOHMANNIOIDEA	Suctobelbidae-U
Canestriniidae-U	Eulohmanniidae-D, U	Tenuialidae-U
Hemisarcopidae-D	Lohmanniidae-U	Thyrisomidae-D, U
ACAROIDEA	NOTHROIDEA	PORONOTICAE
Acaridae-D, U	Camisiidae-D, U	LOWER PLICATES
Carpoglyphidae-D	Hermannidae-D, U	Ameronothridae-D, U
Chaetodactylidae-U	Malaconothridae-U	Cymbaeremaeidae-D
Glycyphagidae-D, U	Nanhermanniidae-U	Micreremidae-D
Labidophoridae-D, U	Nothridae-U	Tectocepheidae-D, U
Saproglyphidae-D, U	Trhypochthoniidae-D, U	HIGHER PLICATES
LISTROPHOROIDEA	NEOLIODOIDEA	Achipteriidae-D, U
Listrophoridae (s.s.l.)-D, U	Neolioididae-U	Tegoribatidae-D, U
PSOROPTOIDEA	EREMAEAOIDEA	APOPHEREDERMES
Pyroglyphidae-D	Eremaeidae-D, U	Oribatellidae-D, U
ANALGOIDEA	HERMANIELLOIDEA	EXCENTROSCLEROSAE
Analgidae-D	Hermannelliidae-U	Haplozetidae-D, U
Dermoglyphidae-D	PLATEREMAEAOIDEA	Oribatulidae-D, U
Epidermoptidae-D	Gymnodamaeidae-D, U	MACROSCLEROSAE
Proctophyllodidae-D	Licnodamaeidae-U	Ceratozetidae-D, U
Turbinoptidae-D	AMEROBELBOIDEA	Chamobatidae-D
	Eremobelbidae-D	Galumnidae-U
		Mycobatidae-D, U

10-Dr. Valin G. Marshall, Forest Research Laboratory, 506 West Burnside Road, Victoria, B.C., Canada.

Parasitiformes	PACHYGNATHOIDEA cont'd.	TYDEOIDEA
SEJINA	Pachygnathidae-D, U	Ereynetidae-D, U
Sejidae-D	Sphaerolichidae-U	Tydeidae-T", D, U
Uropodellidae-D, U	TARSONEMOIDEA	ERYTHRAEOIDEA
GAMASINA	Pyemotidae-D, U	Erythraeidae-D, U
Ameroseiidae-D, U	Scutacaridae-D, U	Smaridiidae-U
Ascidae-D, U	Tarsonemidae-D, U	TROMBIDIOIDEA
Dermanyssidae (s.st.)-D, U	ANYSTOIDEA	Trombiculidae-D, U
Eviphididae-U	Anystidae-D, U	Trombidiidae-D, U
Laelapididae-D, U	BDELLOIDEA	HYGROBATOIDEA
Macrochelidae-D, U	Bdellidae-D, U	Pionidae-U
Macronyssidae-D, U	Cunaxidae-D, U	Acaridea
Neoparasitidae-D, U	CHEYLETOIDEA	ANOETOIDEA
Parasitidae-D, U	Cheyletidae-D, U	Anoetidae-U
Parholaspidae-T", D, U	Myobiidae-D, U	CANESTRINOIDEA
Phytoseiidae-D, U	ERIOPHYOIDEA	Hemisarcopidae-D
Rhodacaridae-D, U	Eriophyidae-D, U	ACAROIDEA
Spinturnicidae-D	EUPODOIDEA	Acaridae-D, U
Veigaiidae-D, U	Eupodidae-D, U	Glycyphagidae-D
Zerconidae-D, U	Rhagidiidae-D, U	LISTROPHOROIDEA
UROPODINA-D, U	RAPHIGNATHOIDEA	Listrophoridae (s.s.l.)-D
IXODOIDEA	Stigmaeidae-D, U	SARCOPTOIDEA
Ixodidae-U	Tarsocheylidae-T", D	Sarcoptidae-D
Endeostigmata	TETRANYCHOIDEA	Oribatei
PACHYGNATHOIDEA	Tenuipalpidae-D, U	PALEACAROIDEA
Alichorhagiidae-D, U	Tetranychidae-D, U	Paleacaridae-D
Lordalychidae-D		
Nanorchestidae-D, U		

(continued next page)

10-continued: Dr. Valin G. Marshall, Forest Research Laboratory, 506 West Burnside Road, Victoria, B.C., Canada.

PARTHYPOTHONIOIDEA
Gehypothoniidae-D
Parhypothoniidae-D
ENARTHRONOTA
Atopochthoniidae-D
Brachychthoniidae-D, U
Cosmochthoniidae-D
Hypochthoniidae-D
Pterochthoniidae-D
MESOPLOPHOROIDEA
Archoplophoridae-D
PHTHIRACAROIDEA
Euphthiracaridae-D, U
Phthiracaridae-D, U
LOHMANNIOIDEA
Eulohmanniidae-D
NOTHROIDEA
Camisiidae-D, U

NOTHROIDEA cont'd.
Malaconothridae-D, U
Nanhermanniidae-D, U
Nothridae-D, U
Trhypothoniidae-D
EREMAOIDEA
Eremaeidae-D, U
PLATEREMAEAOIDEA
Gymnodamaeidae-D, U
AMEROBELBOIDEA
Eremobelbidae-D
UNGROUPIED FAMILIES
Astegistidae-D
Carabodidae-D, U
Cepheidae-D
Ceratoppiidae-D, U
Damaeidae-D, U
Gustaviidae-U

UNGROUPIED FAMILIES cont'd.
Liacaridae-D, U
Oppiidae-D, U
Peloppiidae-U
Suctobelbidae-T", D, U
PORONOTICAE
LOWER PLICATES
Tectocepheidae-D, U
HIGHER PLICATES
Achipteriidae-U
EXCENTROSCLEROSAE
Haplozetidae-D, U
Oribatulidae-D
Parakalummidae-U
MACROSCLEROSAE
Ceratozetidae-D, U
Chamobatidae-U
Galumnidae-D, U
Mycobatidae-U

11-Dr. Stuart B. Hill, Department of Zoology, Box 86, Macdonald College, Quebec, Canada.

Parasitiformes
GAMASINA
Ameroseiidae-U
Arctacaridae-D
Ascidae-D, U
Dermanyssidae (s.st.)-D
Epicriidae-U
Eviphididae-D, U
Haemogamasidae-D
Laelapidae-D, U
Macrochelidae-D, U
Macronyssidae-D, U
Neoparasitidae-D
Pachylaelapidae-U
Parasitidae-D, U
Parholaspidae-T", D, U
Phytoseiidae-D, U
Podocinidae-D, U
Rhinonyssidae-D
Rhodacaridae-T", D, U
Spinturnicidae-D
Veigaiidae-D, U
Zerconidae-D, U
UROPODINA-D, U
ANTENNOPHORINA
Diplogyniidae-D, U
Euzerconidae-D, U
Klinckostroemiidae-D
Endeostigmata
PACHYGNATHOIDEA
Alichorhagiidae-D, U
Lordalychidae-U
Nanorchestidae-U
Pachygnathidae-U
TARSONEMOIDEA
Podapolipodidae-D
Pyemotidae-D, U
Scutacaridae-U
Tarsonemidae-U
BDELLOIDEA
Bdellidae-D, U
Cunaxidae-D, U

CHEYLETOIDEA
Cheyletidae-U
Myobiidae-D
ERIOPHYOIDEA
Eriophyidae-D, U
EUPODOIDEA
Eupodidae-U
Rhagidiidae-U
RAPHIGNATHOIDEA
Raphignathidae-D
Stigmaeidae-D, U
TETRANYCHOIDEA
Tetranychidae-D, U
TYDEOIDEA
Tydeidae-D, U
TROMBIDIOIDEA
Trombiculidae-D
Trombidiidae-D, U
Hydrachnellae
HYDRACHNOIDEA
Hydrachnidae-U
HYGROBATOIDEA
Pionidae-U
Acaridei
CANESTRINOIDEA
Hemisarcopidae-D
ACAROIDEA
Acaridae-D, U
Glycyphagidae-D
LISTROPHOROIDEA
Myocoptidae-D
ANALGOIDEA
Dermoglyphidae-D
Epidermoptidae-D, U
Proctophyllodidae-U
Oribatei
PALEACAROIDEA
Ctenacaridae-U
Paleacaridae-D, U
PARTHYPOTHONIOIDEA
Gehypothoniidae-D
Parhypothoniidae-D, U

ENARTHRONOTA
Atopochthoniidae-D
Brachychthoniidae-D, U
Cosmochthoniidae-D, U
Haplochthoniidae-D
Hypochthoniidae-D, U
Pterochthoniidae-D, U
MESOPLOPHOROIDEA
Archoplophoridae-D
Mesoplophoridae-D
PHTHIRACAROIDEA
Euphthiracaridae-D, U
Phthiracaridae-D, U
LOHMANNIOIDEA
Eulohmanniidae-D
Perlohmanniidae-D
NOTHROIDEA
Camisiidae-D, U
Malaconothridae-U
Nanhermanniidae-D, U
Nothridae-D, U
Trhypothoniidae-D
NEOLIODOIDEA
Neolioididae-U
EREMAOIDEA
Eremaeidae-U
HERMANIELLOIDEA
Hermannelliidae-D, U
Plasmobatidae-U
PLATEREMAEAOIDEA
Gymnodamaeidae-U
AMEROBELBOIDEA
Eremobelbidae-D
Eremulidae-D, U
UNGROUPIED FAMILIES
Carabodidae-D, U
Cepheidae-D
Ceratoppiidae-U
Damaeidae-D
Liacaridae-D, U
Oppiidae-D, U
Peloppiidae-U

(continued next page)

11-continued: Dr. Stuart B. Hill, Department of Zoology, Box 86, Macdonald College, Quebec, Canada.

UNGROUPED FAMILIES cont'd.

Polypterozetidae-U
Suctobelbidae-D, U

PORONOTICAE

LOWER PLICATES

Tectocepheidae-D, U

HIGHER PLICATES

Achipteriidae-U
Tegoribatidae-U
APOPHEREDERMES
Oribatellidae-D, U
EXCENTROSCLEROSAE
Haplozetidae-D, U

EXCENTROSCLEROSAE cont'd.

Oribatulidae-D, U
Oripodidae-U
MACROSCLEROSAE
Ceratozetidae-U
Chamobatidae-D, U
Galumnidae-D, U

12-*Dr. B. Rosicky, Director, Czechoslovak Academy of Sciences, Institute of Parasitology, Prague 6, Flemingovo Nam. 2, Czechoslovakia.

Parasitiformes

SEJINA

Sejidae-D

GAMASINA

Ameroseiidae-D, U

Ascidae-T, T'', D

Dermanyssidae (s.st.)-T, T'', D

Eviphidiidae-D, U

Haemogamasidae-D

Halarachnidae-D

Laelapidae-T, T'', D, U

Macrochelidae-T, T'', D, U

Macronyssidae-T, T'', D, U

Microgyniidae-D

Otopheidomenidae-D

Pachylaelapidae-D, U

Parasitidae-D, U

Parholaspidae-U

Phytoseiidae-D, U

Rhinonyssidae-T, T'', D, U

Rhodacaridae-T'', D, U

Spelaeorhynchidae-D

Spinturnicidae-T, T'', D, U

Veigaiidae-D

Zerconidae-D

UROPODINA-D, U

DIARTHROPHALLINA

Diarthrophallidae-D

ANTENNOPHORINA

Celaenopsidae-D

Diplogyniidae-T, T'', D, U

Fedrizzidae-U

IXODOIDEA

Argasidae-T, D

Ixodidae-T, D, U

TARSONEMOIDEA

Podapolipodidae-D
Pyemotidae-D, U
Scutacaridae-D, U
Tarsonemidae-D, U

ANYSTOIDEA

Pterygosomidae-U

BDELLOIDEA

Bdellidae-D, U
Cunaxidae-D

CHEYLETOIDEA

Cheyletidae-T, T'', D, U
Harpyrhynchidae-T, T'', D
Myobiidae-T, T'', D, U

EUPODOIDEA

Eupodidae-U

LABIDOSTOMMOIDEA

Labidostommidae-U

RAPHIGNATHOIDEA

Cryptognathidae-D

TYDEOIDEA

Ereynetidae-T, T'', D, U

ERYTHRÆOIDEA

Calyptostomidae-U
Erythraeidae-U
Smaridiidae-D

TROMBIDIOIDEA

Johnstonianidae-D
Trombiculidae-T, T'', D, U
Trombidiidae-T, T'', D, U

Acaridei

ANOETOIDEA

Anoetidae-T, T'', D, U

CANESTRINOIDEA

Canestriniidae-T, T'', D

Linobiidae-D

ACAROIDEA

Acaridae-T, T'', D, U

Carpoglyphidae-D

Chaetodactylidae-D

Chortoglyphidae-D

Ctenoglyphidae-T"

Fusacaridae-D

Glycyphagidae-T, T'', D, U

Hypoderidae-T, T"

Labidophoridae-T, T'', D, U

Rosensteiniidae-T, T'', D

Saproglaphidae-T, T'', D, U

LISTROPHOROIDEA

Listrophoridae (s.s1.)-T, T'', D, U

Myocoptidae-T, T'', D, U

PSOROPTOIDEA

Psoroptidae-D

ANALGOIDEA

Analgidae-T, D, U

Dermoglyphidae-T, T'', D, U

Freyanidae-T, D, U

Proctophyllodidae-T, T'', D, U

SARCOPTOIDEA

Knemidocoptidae-D

Sarcopidae-T, T'', D, U

Teinocoptidae-D

Oribatei

EREMAEOIDEA

Eremaeidae-D

UNGROUPIED FAMILIES

Liacaridae-D

Tenuialidae-D

PORONOTICAE

HIGHER PLICATES

Tegoribatidae-D

*Correspondence regarding loans or exchanges should be addressed to the Director, Dr. Rosicky, rather than the respective workers Drs. V. Cerny, M. Daniel, F. Dusbabek or K. Samsinak.

13-Dr. Philippe Lebrun, Laboratoire de Zoologie Systematique, 59 rue de Namur, Louvain, Belgium.

Oribatei

ENARTHRONOTA

Brachychthoniidae-D, U

Hypochthoniidae-D

PHTHIRACAROIDEA

Euphthiracaridae-D, U

Phthiracaridae-D, U

LOHMANNIOIDEA

Eulohmanniidae-D

NOTHROIDEA

Camisiidae-D

Hermannniidae-D

Malaconothridae-D, U

Nanhermanniidae-D

Nothridae-D

NEOLIODOIDEA

Nealiodidae-U

EREMAEOIDEA

Eremaeidae-D, U

HERMANIELLOIDEA

Hermanniellidiae-D

AMEROBELBOIDEA

Ameridae-D

Damaeolidae-D, U

Eremobelbidae-U

(Continued next page)

13-continued: Dr. Philippe Lebrun, Laboratoire de Zoologie Systematique, 59 rue de Namur, Louvain, Belgium.

UNGROUPED FAMILIES

- Basiobelbidae-D, U
- Carabodidae-D, U
- Cepheidae-D, U
- Ceratoppiidae-D, U
- Damaeidae-D, U
- Eutegaeidae-D
- Gustaviidae-D
- Hydrozetidae-U
- Liacaridae-D, U
- Oppidae-D, U
- Peloppiidae-U

UNGROUPED FAMILIES cont'd.

- Suctobelbidae-U
- Thyrisomidae-D
- PORONOTICAE
- LOWER PLICATES
- Cymbaeremaeidae-D
- Licneremaeidae-D
- Micreremidae-D, U
- Passalozetidae-U
- Scutoverticidae-D, U
- Tectocepheidae-D, U

HIGHER PLICATES

- Achipteridae-D, U
- APOPHEREDERMES
- Oribatellidae-D, U
- EXCENTROSCLEROSAE
- Oribatulidae-D, U
- MACROSCLEROSAE
- Ceratozetidae-D, U
- Chamobatidae-D, U
- Euzetidae-D
- Galumnidae-D, U
- Mycobatidae-U

14-Dr. Jean Gaud, Laboratoire de Parasitologie, Faculte de Medecine, 35 - Rennes, France

Acaridei

- ACAROIDEA
- Hypoderidae-D
- LISTROPHOROIDEA
- Listrophoridae (s. sl.)-D

PSOROPTOIDEA

- Psoroptidae-T, T'', D
- Pyroglyphidae-T, T'', D

ANALGOIDEA

- Analgidae-T, T'', D, U
- Dermoglyphidae-T, T'', D, U
- Epidermoptidae-T'', D, U
- Freyanidae-T, T'', D, U
- Proctophyllodidae-T, T'', D, U

15-Dr. Pierre Robaux, Laboratoire d'Ecologie generale, 4 avenue du Petit Chateau, 91-Brunoy, France.

Parasitiformes

- SEJINA-U
- GAMASINA-U
- UROPODINA-U
- DIARTHROPHALLINA-U
- ANTENNOPHORINA-U
- Endeostigmata
- PACHYGNATHOIDEA-U
- TARSONEMOIDEA-U
- ANYSTOIDEA-U
- BDELLOIDEA-U
- CHEYLETOIDEA-U
- EUPODOIDEA-U

LABIDOSTOMMOIDEA-U

- RAPHIGNATHOIDEA-U
- TETRANYCHOIDEA
- Tetranychidae-D
- Tuckerellidae-D
- TYDEOIDEA-U
- Nematalycidae-T
- ERYTHRHAEOIDEA
- Calyptostomidae-U
- Erythraeidae-U
- Smaridiidae-U

TROMBIDIOIDEA

- Johnstonianidae-T, T'', D, U
- Leeuwenhoekiidae-T, T'', D, U
- Trombiculidae-T, T'', D, U
- Stygothrombiidae-T, T''
- Tanaupodidae-T, T'', D, U
- Thrombellidae-T, T'', D, U
- Trombidiidae-T, T'', D, U

HYDRYPHANTOIDEA

- Thyasidae-D, U

Acaridei

CANESTRINOIDEA

- Linobiidae-U

Oribatei-U

Orabatei Circumdehiscentiae-U

16-Dr. C. Athias-Henriot, INRA - Faune du Sol, 7, rue Sully, 21-Dijon, France.

Parasitiformes

- SEJINA
- Sejidae-D, U
- Uropodellidae-T, T'', D
- GAMASINA
- Ameroseiidae-D, U
- Ascidae-T'', D, U
- Germanyssidae (s.st.)-T, T'', D
- Epicriidae-D, U
- Eviphididae-D, U
- Haemogamasidae-D, U
- Halolaelapidae-D, U
- Heterozerconidae-T, U
- Laelapidae-D, U
- Macrochelidae-D, U
- Microgyniidae-U
- Pachylaelapidae-D, U
- Parasitidae-T, T'', D, U

GAMASINA cont'd.

- Parholaspidae-D, U
- Phytoseiidae-T, T'', D, U
- Podocinidae-D, U
- Rhodacaridae-D, U
- Veigaiidae-T'', D, U
- Zerconidae-T'', D, U
- UROPODINA-U
- ANTENNOPHORINA
- Celaenopsidae-D, U
- Cercomegistidae-U
- Diplogyniidae-U
- Euzerconidae-U
- Hoplomegistidae-U
- Megisthanidae-U
- Paramegistidae-U
- Parantennulidae-U
- Schizogyniidae-U

IXODOIDEA

- Ixodidae-D, U

Endeostigmata

PACHYGNATHOIDEA-U

TARSONEMOIDEA

- Podapolipodidae-U

Pyemotidae-D, U

Scutacaridae-T'', D, U

ANYSTOIDEA

- Anystidae-U

Heterocheylidae-U

Pseudocheylidae-U

Pterygosomidae-U

Teneriffiidae-U

BDELLOIDEA

- Bdellidae-D, U

Cunaxidae-D, U

CHEYLETOIDEA

- Cheyletidae-D, U

(Continued next page)

16-continued: Dr. C. Athias-Henriot, INRA - Faune du Sol, 7, rue Sully, 21-Dijon, France.

ERIOPHYOIDEA	TETRANYCHOIDEA	CANESTRINOIDEA
Eriophyidae-U	Linotetranidae-U	Canestriniidae-D, U
EUPODOIDEA	Tenuipalpidae-D, U	Hemisarcopidae-D
Eupodidae-U	Tetranychidae-D, U	ACAROIDEA
Penthaleidae-D, U	Tuckerellidae-U	Acaridae-D, U
Penthalodidae-U	TYDEOIDEA	Carpoglyphidae-D
Rhagidiidae-U	Ereynetidae-U	Chaetodactylidae-U
RAPHIGNATHOIDEA	Paratydeidae-U	Chortoglyphidae-U
Caligonellidae-U	Tydeidae-U	Glycyphagidae-D, U
Cryptognathidae-U	Parasitengona-U	Saprographidae-U
Eupalopsellidae-U	Acaridei	Oribatei-D, U
Neophyllobiidae-U	ANOETOIDEA-D, U	UNGROUPIED FAMILIES
Raphignathidae-T", D, U		Suctobelbidae-D
Stigmaeidae-U		

17- Dr. Kurt O. Viets, Friedenstrasse 4, 294 Wilhelmshaven, Germany.

TROMBOIDIOIDEA-T	LEBERTIOIDEA	ATUROIDEA
HALACAROIDEA	Anisitsiellidae-T, T", D	Aturidae-T, T", D
Limnopalacaridae-T, T", D	Lebertiidae-T, T", D	Axonopsidae-T, T", D
TROMBIDIOIDEA	Oxidae-T, T", D	MIDEOPSIDEOIDEA
Trombidiidae-T	Pseudohydryphantidae-T, T"	Mideidae-D
*Hydrachnellae	Sperchonidae-T, T", D	Mideopsidae-T, T", D
HYDROVOLZIOIDEA	Teutoniidae-D	Momoniidae-T, D
Hydrovolziidae-T, T", D	Torrenticolidae-T, T", D	Neoacaridae-D
HYDRACHNOIDEA	Astacocronitoridae-D	Uchidastygacaridae-D
Hydrachnidae-T, T", D	Feltriidae-T, T", D	ACALYPTONOTOIDEA
EYLAOIDEA	Hygrobatidae-T, T", D	Acalyptonotidae-D
Eylaidae-T, T", D	Limnesiidae-T, T", D	Athienemanniidae-T, T", D
Limnocharidae-T, D	Nautarachnidae-D	Harpagopalpidae-T, T"
Piersigiidae-T, D	Neotorrenticolidae-T, T"	Krendowskidae-T, T", D
Protziidae-T, T", D	Pionidae-T, T", D	BOGATOIDEA
HYDRYPHANTOIDEA	Pontarachnidae-T, T", D	Horreolanidae-T"
Hydrodromidae-T, T", D	Unionicolidae-T, T", D	ARRENUROIDEA
Hydryphantidae-T, T", D		Arrenuridae-T, T", D
Thermacaridae-D		Hungarohydracaridae-D
Thyasidae-T, T", D		

*Karl Viets collection.

18-Dr. Gisela Rack, Zoologisches Staatsinstitut u. Zoologisches Museum, Von-Melle-Park 10, 2000 Hamburg 13, Germany.

1*Parasitiformes

GAMASINA
Ameroseiidae-D, U
Ascaidae-T, T", D, U
Dermanyssidae (s.st.)-D
Epicriidae-D
Haemogamasidae-D
Halarachnidae-T, T", D, U
Laelapidae-T", D, U
Macrochelidae-D, U
Macronyssidae-D
Neoparasitidae-D
Pachylaelapidae-U
Parasitidae-T, D, U
Phytoseiidae-D, U
Podocinidae-D, U
Rhodacaridae-D
Spelaeorhynchidae-T, T"
Spinturnicidae-D, U

GAMASINA cont'd.
Veigaiidae-D
Zerconidae-U
UROPODINA-T, D, U
ANTENNOPHORINA
Antennophoridae-D, U
Celaenopsidae-T, T", D, U
Diplogyniidae-D
Fedrizziidae-D
Megisthanidae-D, U
IXODOIDEA
Argasidae-D
Ixodidae-T, T", D, U
Endostigmata
PACHYGNATHOIDEA
Nanorchestidae-D
Pachygnathidae-D, U
TARSONEMOIDEA
Pyemotidae-T, T", D, U

TARSONEMOIDEA cont'd.
Scutacaridae-T, T", D, U
Tarsonemidae-D, U
ANYSTOIDEA
Anystidae-D
Pseudocheylidae-U
Pterygosomidae-D
BDELLOIDEA
Bdellidae-T, T", D, U
Cunaxidae-D, U
CAECULOIDEA
Caeculidae-D
CHEYLETOIDEA
Cheyletidae-D, U
Demodicidae-D
Harpyrhynchidae-D
Myobiidae-T, T", D
Psorergatidae-T", D

(Continued next page)

18-continued: Dr. Gisela Rack, Zoologisches Staatsinstitut u. Zoologisches Museum, Von-Melle-Park 10,
2000 Hamburg 13, Germany.

ERIOPHYOIDEA
Eriophyidae-T, T'', D
EUPODOIDEA
Eupodidae-D, U
Rhagidiidae-D, U
HALACAROIDEA
2 *Halacaridae-T, T'', D, U
LABIDOSTOMMOIDEA
Labidostommidae-D
RAPHIGNATHOIDEA
Cryptognathidae-D
Raphignathidae-T, T'', D
Stigmaeidae-D
TETRANYCHOIDEA
Tenuipalpidae-D, U
Tetranychidae-D
TYDEOIDEA
Ereynetidae-D, U
Tydeidae-D
ERYTHRAEOIDEA
Erythraeidae-T, D
Smaridiidae-T, D
TROMBIDIOIDEA
Trombiculidae-T'', D
Trombidiidae-T, D
Hydrachnella-U
HYDRACHNOIDEA
Hydrachnidae-D
EYLAOIDEA
Eylaidae-D
Limnocharidae-D
Protziidae-D
HYDRYPHANTOIDEA
Hydromidae-D
Hydryphantidae-D
LEBERTIOIDEA
Lebertiidae-D

HYGROBATOIDEA
Hygrobatidae-T, D
Limnesiidae-D
Pionidae-D
Pontarachnidae-D
Unionicolidae-T, T'', D
ATUROIDEA
Axonopsidae-D
MIDEOPSIDEOA
Mideopsidae-D
ARRENURAE
Arrenuridae-D
Acaridei
ANOETOIDEA
Anoetidae-T'', D
CANESTRINOIDEA
Canestriniidae-T, T'', D
ACAROIDEA
Acaridae-D
Carpoglyphidae-D
Chortoglyphidae-D
Glycyphagidae-T'', D
Hyadesiidae-D
Labidophoridae-D
Rosensteiniidae-D
LISTROPHOROIDEA
Listrophoridae (s.s.l.)-T'', D
Myocoptidae-T'', D
PSOROPTOIDEA
Gastronyssidae-D
Psoroptidae-D
Pyroglyphidae-D
ANALGOIDEA
Analgidae-D
Dermoglyphidae-D
Epidermoptidae-T'', D
Freyanidae-D
Proctophyllodidae-T'', D

SARCOPTOIDEA
Knemidocoptidae-D
Sarcopidae-D
1*Oribatei
ENARTHRONOTA
Brachychthoniidae-D, U
Cosmochthoniidae-D
Hypochthoniidae-D
PHTHIRACAROIDEA
Eupthiracaridae-D
Phthiracaridae-T, D
LOHMANNIOIDEA
Eulohmanniidae-D
• NOTHOIDEA
Camisiidae-D
Hermannidae-T, D
Malacothridae-D, U
Nanhermanniidae-D, U
EREMAEAOIDEA
Eremaeidae-D
UNGROUPIED FAMILIES
Carabodidae-D
Cepheidae-D
Damaeidae-D
Gustaviidae-D
Liacaridae-D, U
Oppidae-D
PORONOTICAE
LOWER PLICATES
Licneremaeidae-D, U
APOPHEREDERMES
Oribatellidae-D
EXCENTROSCLEROSAE
Haplozetidae-T, T'', D
Oribatulidae-D
MACROSCLEROSAE-T, T'', D
Ceratozetidae-T, D, U
Galumnidae-D, U

1* = M. Sellnick Collection.
2* = K. Viets Collection.

19-Dr. H. Fechter, Department of Invertebrates, Zoologische Staatssamlung, Maria Ward Strasse 1b.,
8 München 19, Germany.

Opiliocariformes
V*Opiliocaridae-D
Parasitiformes
SEJINA
VK*Sejidae-D, U
GAMASINA
VK*Ameroseiidae-D, U
VK*Asciidae-T'', D, U
VKP*Dermanyssidae (s.st.)-T, T'', D, U
V*Discozerconidae-D
VK*Epicriidae-D, U
VP*Eviphididae-T, D, U
VKP*Haemogamesidae-T, D, U
VP*Halarachnidae-T, T'', D
VK*Halolaelapidae-T, T'', D, U

V*Heterozerconidae-T, D
V*Iphiopsidae-D
V*Ixodorrhynchidae-D
VKP*Laelapidae-T, T'', D, U
VKP*Macrochelidae-T, T'', D, U
V*Manitherionyssidae-T
VKP*Neoparasitidae-T, T'', D, U
VK*Pachylaelapidae-T, D, U
VKP*Parasitidae-T, T'', D, U
V*Parholaspidae-T
VKP*Phytoseiidae-D, U
VKP*Podocinidae-T, T'', D, U
V*Rhinonyssidae-T, T'', D
VK*Rhodacaridae-T, T'', D, U
VK*Spinturnicidae-T, D, U
VKP*Veigaiidae-D

VKP*Zerconidae-D
UROPODINA
VK*Cillibidae-T, D, U
V*Circocyllibanidae-T''
V*Coxequesomidae-T''
VK*Discourelidae-T, T''
V*Phaulodinychidae-T, T'', U
V*Planodiscidae-T''
VK*Prodinychidae-T'', D, U
V*Thinozerconidae-U
VK*Trachyuropodidae-T, D, U
VK*Trematuridae-D
VK*Urodiaspidae-D
VK*Urodinychidae-T'', D, U
VK*Uropodidae-T, T'', D, U

V* = Vitzthum Collection.
K* = Kneissl Collection.
P* = Popp Collection.

(Continued next page)

19-continued: Dr. H. Fechter, Department of Invertebrates, Zoologische Staatssamlung, Maria Ward Strasse 1b, 8 München 19, Germany.

TRACHYTINA
 VK*Polyaspidae-D, U
 V*Polyaspidinidae-D
 VK*Trachytidae-T, D, U
 ANTENNOPHORINA
 VK*Antennophoridae-T, D
 VK*Celaenopsidae-T, T'', D, U
 V*Cercomegistidae-T
 V*Euzerconidae-D
 V*Megisthanidae-T, D
 P*Paramegistidae-D
 K*Parantennulidae-D
 IXODOIDEA
 VKP*Argasidae-D
 VKP*Ixodidae-T, D, U
 Endeostigmata
 PACHYGNATHOIDEA
 VP*Nanorchestidae-D, U
 VK*Pachygnathidae-D, U
 TARSONEMOIDEA
 VK*Podapolipodidae-D, U
 VK*Pyemotidae-T, T'', D, U
 VK*Scutacaridae-T, D, U
 VK*Tarsonevridae-T, D, U
 ANYSTOIDEA
 VKP*Anystidae-D, U
 VK*Pterygosomidae-T, D, U
 V*Teneriffidae-D
 BDELLOIDEA
 VKP*Bdellidae-T, D, U
 VKP*Cunaxidae-T, T'', D, U
 CAECULOIDEA
 VP*Caeculidae-T, D
 CHEYLETOIDEA
 VK*Cheyletidae-T, T'', D, U
 V*Demodicidae-D
 VK*Harpyrhynchidae-D
 VK*Myobiidae-T, D, U
 V*Ophioptidae-U
 V*Psorergatidae-D
 VK*Syringophilidae-D, U
 ERIOPHYOIDEA
 VKP*Eriophyidae-D, U
 EUPODOIDEA
 VKP*Eupodidae-D, U
 V*Penthaleidae-D, U
 V*Penthalodidae-D
 VKP*Rhagidiidae-D, U
 HALACAROIDEA
 VK*Halacaridae-T, D, U
 LABIDOSTOMMOIDEA
 KP*Labidostommiidae-D, U
 RAPHIGNATHOIDEA
 K*Caligonellidae-D
 VK*Cryptognathidae-D
 VKP*Raphignathidae-D, U
 P*Stigmaeidiae-U
 TETRANYCHOIDEA
 VK*Tenuipalpidae-D, U
 VKP*Tetranychidae-D, U

TYDEOIDEA
 VK*Ereynetidae-T, D, U
 VKP*Tydeidae-D, U
 ERYTHRAEOIDEA
 VKP*Calyptostomidae-D, U
 VKP*Erythraeidae-T, T'', D, U
 VK*Smaridiidae-D, U
 TROMBIDIOIDEA
 VKP*Johnstonianidae-D, U
 VK*Trombiculidae-T, D
 VKP*Trombidiidae-T, D, U
 Hydrachnella
 HYDRACHNOIDEA
 V*Hydrachnidae-D
 EYLAOIDEA
 VKP*Eylaidae-D, U
 VP*Limnocharidae-D
 K*Protziidae-U
 HYDROPHANTOIDEA
 KP*Hydrodromidae-U
 KV*Hydryphantidae-T, D, U
 V*Thermacaridae-D
 VP*Thyasidae-D
 LEBERTIOIDEA
 VKP*Lebertiidae-D, U
 K*Oxidae-D, U
 VK*Sperchonidae-D, U
 KP*Teutoniidae-D
 K*Torrenticolidae-D
 HYGROBATOIDEA
 V*Feltriidae-D, U
 VKP*Hygrobatidae-D, U
 VKP*Limnesiidae-D
 VKP*Pionidae-D, U
 VKP*Unionicolidae-D, U
 ATUROIDEA
 VK*Aturidae-D
 K*Axonopsidae-D
 MIDEOPSOIDEA
 KP*Mideidae-D
 P*Mideopsidae-D
 ARRENUROIDEA
 VKP*Arrenuridae-D, U
 Acaridei
 ANOETOIDEA
 VK*Anoetidae-T, D, U
 CANESTRINOIDEA
 VK*Canestriniidae-T, D, U
 V*Hemisarcopidae-D
 VK*Linobiidae-D
 ACAROIDEA
 VKP*Acaridae-T, T'', D, U
 VK*Carpoglyphidae-D
 VK*Chaetodactylidae-D, U
 K*Chortoglyphidae-D
 K*Ctenoglyphidae-D
 K*Fusacaridae-U
 VKP*Glycyphagidae-T, D, U
 VK*Labidophoridae-D
 VK*Saprogliphidae-D

LISTROPHOROIDEA
 VK*Listrophoridae (s.s.l.)-T, D
 PSOROPTOIDEA
 VP*Psoroptidae-D
 ANALGOIDEA
 VK*Analgitidae-T, T'', D, U
 VK*Dermoglyphidae-T, T'', D, U
 VK*Epidermoptidae-T, D, U
 V*Freyanidae-D
 VK*Proctophyllodidae-T, D, U
 SARCOPTOIDEA
 V*Knemidocoptidae-D
 VKP*Sarcoptidae-D
 CYTODITOIDEA
 VK*Cytoditidae-D
 K*Laminosioptidae-D
 Oribatei
 ENARTHRONOTA
 K*Brachychthoniidae-D
 K*Cosmochthoniidae-D, U
 VKP*Hypochthoniidae-D
 K*Pterochthoniidae-D
 PHTHIRACAROIDEA
 P*Euphthiracaridae-D
 VKP*Phthiracaridae-D, U
 LOHMANNIOIDEA
 VP*Epilohmanniidae-D
 K*Eulohmanniidae-D
 P*Lohmanniidae-D
 NOTHROIDEA
 VKP*Camisiidae-D
 VK*Hermannidae-D
 VKP*Malacothridae-D, U
 VKP*Nanhermanniidae-D
 VKP*Nothridae-D, U
 K*Trhypochthoniidae-D, U
 NEOLIODOIDEA
 VKP*Neoliodidae-T'', D
 ZETORCHESTOIDEA
 KP*Zetorchestidae-D
 EREMAEOIDEA
 VKP*Eremaeidae-D, U
 HERMANIELLOIDEA
 KP*Hermannellidae-D
 PLATEREMAEOIDEA
 VK*Gymnodamaeidae-D, U
 VK*Plateremaidae-D, U
 AMEROBELBOIDEA
 KP*Amerobelbidae-U
 K*Damaeolidae-D
 K*Eremobelbidae-D
 UNGROUPED FAMILIES
 VK*Astegistidae-D
 K*Autognetidae-D
 K*Caleremaeidae-D
 VKP*Carabodidae-D
 VK*Cepheidae-D
 VKP*Ceratoppiidae-D
 VKP*Damaeidae-D
 K*Gustaviidae-D
 VKP*Hydrozetidae-D

V* = Vitzthum Collection.
 K* = Kneissl Collection.
 P* = Popp Collection.

(Concluded next page)

19-continued: Dr. H. Fechter, Department of Invertebrates, Zoologische Staatssamlung, Maria Ward Strasse 1b, 8 München 19, Germany.

UNGROUPED FAMILIES cont'd.	V* <i>Cymbaeremaeidae</i> -D K* <i>Licneremaeidae</i> -D VK* <i>Micreremidae</i> -D VKP* <i>Passalozetidae</i> -D VK* <i>Tectocepheidae</i> -D HIGHER PLICATES VKP* <i>Achipteriidae</i> -D,U VKP* <i>Phenopelopidae</i> -D,U K* <i>Tegoribatidae</i> -D	APOPHEREDERMES VKP* <i>Oribatellidae</i> -T,T'',D EXCENTROSCLEROSAE VP* <i>Haplozetidae</i> -D,U VK* <i>Mochlozetidae</i> -D,U VKP* <i>Oribatulidae</i> -T,T'',D,U MACROSCLEROSAE VKP* <i>Ceratozetidae</i> -T'',D,U VP* <i>Chamobatidae</i> -D VKP* <i>Euzetidae</i> -D,U VKP* <i>Galumnidae</i> -D,U VKP* <i>Mycobatidae</i> -D
	- - - - -	

V* = Vitzthum Collection

K* = Kneissl Collection

P* = Popp Collection

20-Charles D. Radford historical collection, see # 22, p. 35, Dr. K. H. Hyatt, British Museum (Natural History), Cromwell Road, London, S.W. 7, England.

Parasitiformes	CHEYLETOIDEA <i>Cheyletidae</i> -D <i>Demodicidae</i> -D <i>Myobiidae</i> -T,T'',D <i>Ophioptidae</i> -T <i>Psorergatidae</i> -D <i>Syringophilidae</i> -D	LISTROPHOROIDEA <i>Listrophoridae</i> (s.sl.)-T,T'',D <i>Myocoptidae</i> -T,T'',D
GAMASINA		ANALGOIDEA <i>Analgidae</i> -D <i>Dermoglyphidae</i> -D <i>Epidermoptidae</i> -D <i>Freyanidae</i> -D <i>Proctophyllodidae</i> -T'',D
<i>Dermanyssidae</i> (s.st.)-D		SARCOPTOIDEA <i>Knemidocoptidae</i> -D <i>Sarcoptidae</i> -D
<i>Entonyssidae</i> -D		
<i>Haemogamasidae</i> -D		
<i>Laelapidae</i> -T,T'',D		
<i>Macronyssidae</i> -T,T'',D		
<i>Raillietidae</i> -T		
<i>Spinturnicidae</i> -T,T'',D		
IXODOIDEA		
<i>Argasidae</i> -D		
<i>Ixodidae</i> -D		
	ACARIDEI <i>Glycyphagidae</i> -D	

21-Dr. John A. Wallwork, Department of Zoology, Westfield College (University of London), London, N.W. 3, England.

Oribatei-U	NEOLIODOIDEA <i>Neolioididae</i> -D	Passalozetidae-D
ENARTHRONOTA	EREMAEAOIDEA <i>Eremaeidae</i> -D	Podacaridae-D
<i>Brachychthoniidae</i> -D	AMEROBELBOIDEA <i>Eremobelbidae</i> -U	Scutoverticidae-D
<i>Hypochthoniidae</i> -D	UNGROUPIED FAMILIES <i>Basiobelbidae</i> -D	Tectocepheidae-D
<i>Sphaerochthoniidae</i> -D	<i>Carabodidae</i> -D	EXCENTROSCLEROSAE
PHTHIRACAROIDEA	<i>Ceratoppiidae</i> -D	<i>Haplozetidae</i> -D
<i>Pthiracaridae</i> -D,U	<i>Damaeidae</i> -D	<i>Mochlozetidae</i> -D
LOHMANNIOIDEA	<i>Opiidae</i> -D	<i>Oribatulidae</i> -D
<i>Epilohmanniidae</i> -D	<i>Otocepheidae</i> -D	<i>Parakalummidae</i> -D
<i>Lohmanniidae</i> -D		MACROSCLEROSAE
NOTHROIODEA	PORONOTICAE LOWER PLICATES <i>Ameronothridae</i> -D	<i>Ceratozetidae</i> -D
<i>Camisiidae</i> -D		<i>Galumnidae</i> -D
<i>Holonothridae</i> -D		<i>Mycobatidae</i> -D
<i>Malaconothridae</i> -D		UNGROUPIED FAMILIES <i>Caloppiidae</i> -D
<i>Nanhermanniidae</i> -D		
<i>Nothridae</i> -D		
<i>Trhypochthoniidae</i> -D		

22-Dr. K. H. Hyatt, British Museum (Natural History), Cromwell Road, London, S.W. 7, England. See also # 20, p. 34, C. D. Radford Collection.

Opilioacariformes-T, T", D, U
 Parasitiformes-T, T", D, U
 1,2*Mesostigmata
 2,3,4,5*IXODOIDEA
 Acariformes-T, T", D, U
 6*ERYTHRAEOIDEA-T, T", D, U
 TROMBIDIOIDEA
 7*Trombiculidae-T, T", D, U
 8,9*Hydrachnella-T, T", D, U
 Acaridei
 1*ACAROIDEA-T, T", D, U
 2*ANALGOIDEA-T, T", D, U
 1,2*Oribatei-T, T", D, U

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*1 = A. D. Michael Collection
 *2 = J. E. Hull Collection
 *3 = G. H. F. Nuttal Collection
 *4 = E. A. Lewis Collection
 *5 = Yeoman and Walker, 1967 Tanzania Tick Survey material
 *6 = C. F. George Collection
 *7 = South Burma Scrub Typhus Survey material
 *8 = C. D. Soar Collection
 *9 = W. Williamson Collection

23-Dr. S. Mahunka, Zoologische Abteilung des Ungarischen National-Museums, Baross u. 13, Budapest VIII, Hungary. See also # 144, page 73, L. Szalay Collection.

Parasitiformes	Klinckostroemidae-U	ERIOPHYOIDEA
GAMASINA	Megisthanidae-U	Eriophyidae-T, T", U
Ameroseiidae-D, U	Paramegistidae-U	EUPODOIDEA-U
Ascidae-D, U	Parantennulidae-U	LABIDOSTOMMOIDEA
Dermanyssidae (s.st.)-D, U	Schizogyniidae-U	. Labidostommidae-D, U
Epicriidae-T, D, U	IXODOIDEA	TETRANYCHOIDEA
Eviphididae-D, U	Argasidae-D, U	Tenuipalpidae-T, T", D
Haemogamasidae-D, U	Ixodidae-D, U	Tetranychidae-T, T", D
Laelapidae-D, U	TARSONEMOIDEA	ERYTHRAEOIDEA-U
Pachylaelapidae-T, T", D, U	Podapolipodidae-T, T", D, U	TROMBIDIOIDEA-U
Parasitidae-T, T", D, U	Pyemotidae-T, T", D, U	Acaridei
Phytoseiidae-D, U	Scutacaridae-T, T", D, U	ANOETOIDEA
Veigaiidae-D, U	Tarsonemidae-T, T", D, U	Anoetidae-T, T", D, U
Zerconidae-T, T", D, U	ANYSTOIDEA	CANESTRINOIDEA
ANTENNOPHORINA	Teneriffiidae-D, U	Canestriniidae-T, T", D, U
Antennophoridae-U	BDELLOIDEA	Hemisarcopidae-T, T", D, U
Celaenopsidae-U	Bdellidae-D, U	Linobiidae-T, T", D, U
Cercomigistidae-U	Cunaxidae-D, U	ACAROIDEA-T, T", D, U
Diplogyniidae-U	CAECULOIDEA	LISTROPHOROIDEA
Euzerconidae-U	Caeculidae-D, U	Myocoptidae-D, U
Fedrizziidae-U	CHEYLETOIDEA-U	ANALGOIDEA-D, U
Hoplomegistidae-U	Cheyletidae-U	Oribatei-T, T", D, U

24-Dr. G. O. Evans, Department of Agricultural Zoology, University College, Dublin, Glasnevin, Dublin 9, Ireland.

*Mesostigmata-T, D, U
 *Prostigmata-D
 *Hydrachnella-T, D, U
 *Oribatei-D

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*J. N. Halbert Collection

25-Dr. E. Swirski, The National and University Institute of Agriculture, Division of Entomology, P. O. Box 6, Bet-Dagan, Israel.

Parasitiformes
GAMASINA
Phytoseiidae-T,D,U

26-Dra. Annamaria Nocentini, Instituto Italiano di Idrobiologia, 28048 Pallanza Verbania (Novara), Italy.

Hydrachnella	Oxidae-D	Pionidae-D
EYLAOIDEA	Sperchonidae-D	Unionicolidae-D
Limnocharidae-D	Teutoniidae-D	ATUROIDEA
Protziidae-D	Torrenticolidae-D	Aturidae-D
HYDRYPHANTOIDEA	HYGROBATOIDEA	Axonopsidae-D
Thyasidae-D	Feltriidae-D	MIDEOPSOIDEA
LEBERTIOIDEA	Hygrobatidae-D	Mideopsidae-D
Lebertiidae-D	Limnesiidae-D	ARRENUROIDEA
		Arrenuridae-D

27-Dr. Shozo Ehara, c/o Zoological Institute Faculty of Science, Hokkaido University, Sapporo, Japan.

GAMASINA	BDELLOIDEA	RAPHIGNATHOIDEA
Ascidae-T	Bdellidae-T	Eupalopsellidae-T
Phytoseiidae-T	CHEYLETOIDEA	Stigmaeidae-T
ANYSTOIDEA	Cheyletidae-T	TETRANYCHOIDEA
Teneriffiidae-T		Tetranychidae-T

28-Dr. Shozo Ehara, Biological Institute, Faculty of Education, Tottori University, Tottori, Japan.

GAMASINA
Phytoseiidae-T,U
TETRANYCHOIDEA
Tenuipalpidae-D
Tetranychidae-T,D,U
Tuckerellidae-D

29-Mr. M. Nadchatram, Institute for Medical Research, Kuala Lampur, Malaysia.

Parasitiformes	TARSONEMOIDEA	TROMBIDOIDEA
Mesostigmata-U	Podapolipodidae-D	Trombiculidae-T",D,U
GAMASINA	Scutacaridae-U	Trombidiidae-U
Germanyssidae (s.st.)-D	Tarsonemidae-U	Hydrachnella-U
Entonyssidae-D	Pterygosomidae-U	Acaridei
Haemogamasidae-D	BDELLOIDEA	ACAROIDEA
Heterozerconidae-D	Bdellidae-U	Acaridae-U
Laelapidae-D,U	CHEYLETOIDEA	Glycyphagidae-U
Macrochelidae-D	Cheyletidae-U	LISTROPHOROIDEA
Macronyssidae-D	Demodicidae-D	Listrophoridae (s.sl.)-U
Rhinonyssidae-D	TYDEOIDEA	Myocoptidae-U
Spinturnicidae-D	Ereynetidae-U	PSOROPTOIDEA
ANTENNOPHORINA	ERYTHRACEOIDEA	Psoroptidae-D
Paramegistidae-D	Erythraeidae-U	SARCOPTOIDEA
IXODOIDEA		Sarcoptidae-D
Argasidae-D		Teinocoptidae-D
Ixodidae-D		Oribatei-U

30-Dr. F. Lukoschus, Zoölogisch Laboratorium, Faculteit der Wiskunde en Natuurwetenshappen, Katholieke Universiteit, Driebruizerweg 200, Nijmegen, Netherlands.

Parasitiformes	Laelapidae-D,U	Spinturnicidae-T,T",D
GAMASINA	Macronyssidae-D,U	IXODOIDEA
Germanyssidae (s.st.)-D,U	Parasitidae-U	Ixodidae-D,U
Haemogamasidae-D,U	Spelaeorhynchidae-T"	

30-continued: Dr. F. Lukoschus, Zoölogisch Laboratorium, Faculteit der Wiskunde en Natuurwetenshappen,

TARSONEMOIDEA	TROMBIDIOIDEA	Psoroptidae-T,T'',D
Pyemotidae-T'',D	Trombiculidae-T'',D,U	Pyroglyphidae-T,T'',D
CHEYLETOIDEA	Acaridei	Yunkeracaridae-T,T'',D
Cheyletidae-D	ACAROIDEA	ANALGOIDEA
Cloacaridae-U	Acaridae-D	Analgidae-D
Demodicidae-T,T'',D	Glycyphagidae-T,T'',D,U	Dermoglyphidae-D
Harpyrhynchidae-T'',D,U	Labidophoridae-T,T'',D	Epidermoptidae-T,D
Myobiidae-T,T'',D,U	LISTROPHOROIDEA	Proctophyllodidae-D,U
Psorergatidae-T,T'',D,U	Listrophoridae (s.sl.)-D	SARCOPTOIDEA
Syringophilidae-D,U	Myocoptidae-T,T'',D,U	Sarcoptidae-T,T'',D,U
TYDEOIDEA	PSOROPTOIDEA	
Ereynetidae-T,D	Lobalgidae-T,T''	
Tydeidae-U		

31-Dr. V.M. Stout, Department of Zoology, University of Canterbury, Private Bag, Christchurch, New Zealand.

HALACAROIDEA	EYLAOIDEA	ARRENUROIDEA
Halacaridae-D	Eylaidae-T,D	Arrenuridae-T,D
HYDRACHNOIDEA	HYGROBATOIDEA	
Hydrachnidae-T,D	Pionidae-T,D	

32-Dr. G. W. Ramsay, D.S.I.R., Entomology Division, Mt. Albert Research Centre, Private Bag, Auckland, New Zealand.

Parasitiformes	Prostigmata-T,T'',D,U	PORONOTICAE
HOLOTHYRINA	Acaridei-D,U	LOWER PLICATES-T,T'',D,U
Holothyridae-D	Oribatei	HIGHER PLICATES-D,U
GAMASINA-T,D,U	Oribatei Inferiores-T,T'',D,U	APOPHEREDERMES-D,U
UROPODINA-D,U	Oribatei Circumdehis-	EXCENTROSCLEROSAE-D,U
IXODOIDEA-T,T'',D	centiae-T,T'',D,U	MACROSCLEROSAE-T,T'',D,U
	UNGROUPED FAMILIES-T,T'',D,U	

33-Dr. D.C.M. Manson, Department of Agriculture, Horticultural Research Laboratory, P.O. Box 241, Levin, New Zealand.

Parasitiformes	ANYSTOIDEA	TETRANYCHOIDEA
Mesostigmata-U	Anystidae-U	Tenuipalpidae-D,U
GAMASINA	BDELLOIDEA	Tetranychidae-T,T''
Ascidae-T,T'',U	Bdellidae-U	Tuckerellidae-D
Haemogamasidae-D,U	Cunaxidae-U	TYDEOIDEA
Laelapidae-U	CHEYLETOIDEA	Tydeidae-U
Macrochelidae-D,U	Cheyletidae-D,U	ERYTHRAEOIDEA
Parasitidae-D,U	ERIOPHYOIDEA	Erythraeidae-U
Phytoseiidae-D,U	Eriophyidae-T,T'',D,U	Smaridiidae-U
Rhodacaridae-U	EUPODOIDEA	Acaridei
Endeostigmata	Eupodidae-U	ANOETOIDEA
PACHYGNATHOIDEA	Penthalodidae-D	Anoetidae-D
Nanorchestidae-U	RAPHIGNATHOIDEA	ACAROIDEA
TARSONEMOIDEA	Eupalopsellidae-U	Acaridae-T,T'',D,U
Podapolipodidae-D	Stigmeidae-D,U	Chortoglyphidae-D
Pyemotidae-U		Glycyphagidae-D
Tarsonemidae-D,U		PSOROPTOIDEA
		Pyroglyphidae-D
		Oribatei-U

34-Dr. Reider Mehl, Universitetets Zoologiske Museum, Sarsgt 1, Oslo 5, Norway.

Parasitiformes	Macrochelidae-U	IXODOIDEA
GAMASINA	Macronyssidae-U	Argasidae-D
Dermyssidae (s.st.)-D	Parasitidae-D,U	Ixodidae-D,U
Haemogamasidae-D	Rhinonyssidae-U	CHEYLETOIDEA
Laelapidae-D	Spinturnicidae-U	Cheyletidae-U
		Myobiidae -U

(Continued next page)

34-continued: Dr. Reider Mehl, Universitetets Zoologiske Museum, Sarsgt 1, Oslo 5, Norway.

HALACAROIDEA	*Hydrachnella-D	Myocoptidae-U
Halacaridae-U	Acaridei	PSOROPTOIDEA
ERYTHRAEOIDEA	ACAROIDEA	Psoroptidae-U
Erythraeidae-U	Glycyphagidae-U	Pyroglyphidae-D
TROMBIDIOIDEA	Labidophoridae-D, U	ANALGOIDEA-D, U
Trombiculidae-U	LISTROPHOROIDEA	Oribatei-U
-----	Listrophoridae (s.s1.)-D, U	

* Sig Thor Collection.

35-Dr. Roger H. Taufflieb, Sercives Scientifiques Centraux, O.R.S.T.O M., 70/74, Route d'Aulnay, 93140 Bondy, France.

GAMASINA
Dermyssidae (s.st.)-D
Laelapidae-T'', D, U
Macronyssidae-D
Spinturnicidae-D
TROMBIDIOIDEA
Trombiculidae-T'', D, U

36-Dr. Anders Edler, Department of Animal Ecology, University of Lund, Ecology Building, S-22362 Lund, Sweden.

Parasitiformes-D	Parasitidae-D	TROMBIDIOIDEA
Mesostigmata-D	Rhinonyssidae-U	Trombiculidae-D
GAMASINA-D	Spinturnicidae-U	Acaridei
Ascidae-D	Veigaiidae-D	ACAROIDEA
Dermyssidae (s.st.)-D	IXODOIDEA-D	Glycyphagidae-D
Eviphididae-D	TARSONEMOIDEA	Labidophoridae-D
Haemogamasidae-D	Pyemotidae-D	LISTROPHOROIDEA-D, U
Laelapidae-D	CHEYLETOIDEA	ANALGOIDEA-D
Macrochelidae-D	Cheyletidae-"	Oribatei-U
Macronyssidae-D	Myobiidae-D	

37-Drs. I.S. Livshitz and V.I. Mitrofanov, Nikita Botanical Garden, Jalta, Crimea, U.S.S.R.

Mesostigmata-U	BDELLOIDEA	Stigmeidae-U
GAMASINA	Bdellidae-U	TETRANYCHOIDEA
Phytoseiidae-T, T'', D, U	Cunaxidae-U	Tenuipalpidae-T, T'', D, U
TARSONEMOIDEA	CHEYLETOIDEA	Tetranychidae-T, T'', D, U
Tarsonomidae-U	Cheyletidae-U	TYDEOIDEA
ANYSTOIDEA	ERIOPHYOIDEA	Tydeidae-T, T'', D
Anystidae-U	Eriophyidae-U	ERYTHRAEOIDEA
Pseudocheylidae-U	RAPHIGNATHOIDEA	Erythraeidae-U
	Raphignathidae-U	Smaridiidae-U

38-Drs. G.C. Loots, P.A.J. Ryke and Mr. Theron, Institute for Zoological Research, Department of Zoology, Potchefstroom University, Potchefstroom, South Africa.

Parasitiformes	Parholaspidae-U	Endeostigmata
GAMASINA	Phytoseiidae-T, T'', D, U	PACHYGNATHOIDEA
Ameroseiidae-T, T'', U	Podocinidae-U	Alichorhagiidae-T, T'', D
Ascidae-T, T'', D, U	Rhodacaridae-T, T'', D, U	Lordalychidae-T, T'', D
Digamasellidae-T, T'', U	Spinturnicidae-U	Nanorchestidae-T, T'', D, U
Epicriidae-U	Veigaiidae-D, U	Pachygnathidae-T, T'', D, U
Eviphididae-T, T'', D	UROPODINA-T, T'', U	Pediculochelidae-U
Halolaelapidae-U	ANTENNOPHORINA	Sphaerolichidae-T, T'', U
Laelapidae-T, T'', D, U	Celaenopsidae-T, T'', U	Terpnacaridae-T, T'', U
Macrochelidae-T, T'', U	Fedrizziidae-U	TARSONEMOIDEA
Pachylaelapidae-T, T'', U	Megisthanidae-U	Pyemotidae-U
Parasitidae-D, U		

(Continued next page)

38-continued: Drs. G.C. Loots, P.A.J. Ryke and Mr. Theron, Institute for Zoological Research, Department of Zoology, Potchefstroom University, Potchefstroom, South Africa.

TARSONEMOIDEA cont'd.

- Scutacaridae-U
- Tarsonemidae-U
- ANYSTOIDEA
 - Anystidae-T, T'', U
 - Pseudocheylidae-U
 - Teneriffiidae-U
- BDELLOIDEA
 - Bdellidae-D, U
 - Cunaxidae-D, U
- CAECULOIDEA
 - Caeculidae-U
- CHEYLETOIDEA
 - Cheyletidae-U
- ERIOPHYOIDEA
 - Eriophyidae-T, T'', U
- EUPODOIDEA
 - Eupodidae-T, D, U
 - Rhagidiidae-D, U
- LABIDOSTOMMOIDEA
 - Labidostommidae-U
- RAPHIGNATHOIDEA
 - Cryptognathidae-D, U
 - Raphignathidae-U
 - Stigmaeidae-T'', U

- TETRANYCHOIDEA
 - Tenuipalpidae-T, T'', U
 - Tetranychidae-T, T'', D, U
 - Tuckerellidae-U
- TYDEOIDEA
 - Erenynetidae-U
 - Nematalycidae-D, U
 - Paratydeidae-T, T'', D
 - Tydeidae-T, T'', U
- ERYTHRAEOIDEA
 - Erythraeidae-T, T'', U
- TROMBIDIOIDEA
 - Trombidiidae-T, T'', U
- Oribatei
 - ENARTHRONOTA
 - Brachychthoniidae-U
 - Cosmochthoniidae-U
 - Sphaerochthoniidae-U
- PHTHIRACAROIDEA-U
 - Eupthiracaridae-U
 - Phthiracaridae-U

- NOTHROIIDEA
 - Malacothridae-U
 - Trhypochthoniidae-U
- PLATEREMAEAOIDEA
 - Gymnodamaeidae-U
- AMEROBELBOIDEA
 - Eremobelbidae-U
- UNGROUPED FAMILIES
 - Astegistidae-U
 - Carabodidae-U
 - Microzetidae-U
 - Oppidae-U
 - Otocepheidae-U
- PORONOTICAE
 - LOWER PLICATES
 - Tectocepheidae-U
- EXCENTROSCLEROSAE
 - Haplozetidae-U
 - Oribatulidae-U
- MACROSCLEROSAE
 - Ceratozetidae-U
 - Galumnidae-U
- UNGROUPED FAMILIES
 - Epactozetidae-D, U

39-Mr. B.H. Lamoral, Natal Museum, Loop Street, Pietermaritzburg, South Africa.

- Parasitiformes
- HOLOTHYRINA
 - Holothyridae-D
- GAMASINA
 - Dermanyssidae (s.st.)-T'', D, U
 - Laelapidae-D, U
 - Omentolaelapidae-D
 - Rhinonyssidae-T, T'', D
 - Spinturnicidae-T, T'', D
- ANTENNOPHORINA
 - Paramegistidae-D
- IXODOIDEA
 - Argasidae-T
 - Ixodidae-T
- TARSONEMOIDEA
 - Podapolipodidae-D, U
 - Pyemotidae-D
 - Tarsonemidae-D, U
- ANYSTOIDEA
 - Anystidae-U
 - Pterygosomidae-T, T'', D, U

- CAECULOIDEA
 - Caeculidae-T, T'', D, U
- CHEYLETOIDEA
 - Cheyletidae-T, T'', D, U
 - Harpyrhynchidae-T'', D
 - Myobiidae-T, T'', D, U
 - Ophioptidae-T'', D
 - Syringophilidae-T
- TETRANYCHOIDEA
 - Tenuipalpidae-T, T'', D, U
 - Tetranychidae-T, D, U
- TYDEOIDEA
 - Erenynetidae-T'', D, U
- ERYTHRAEOIDEA
 - Calyptostomidae-T
 - Erythræidae-T
- TROMBIDIOIDEA
 - Trombiculidae-T, T'', D, U
 - Trombidiidae-T, T'', D

- Acaridei
- CANESTRINOIDEA
 - Canestriniidae-D
- ACAROIDEA
 - Acaridae-D, U
 - Glycyphagidae-D, U
- LISTROPHOROIDEA
 - Listrophoridae (s.s.l.)-T'', D, U
 - Myocoptidae-D
- PSOROPTOIDEA
 - Psoroptidae-D, U
- ANALGOIDEA-U
 - Analgidae-D
 - Epidermoptidae-T'', D, U
- SARCOPTOIDEA
 - Sarcoptidae-T'', D, U
 - Teinocoptidae-D
- MACROSCLEROSAE
 - Galumnidae-T'', D

40-Dr. Magdalena K.P. Meyer, Plant Protection Research Institute, Department of Agricultural Technical Services, Private Bag 134, Pretoria, South Africa.

- Parasitiformes
- Mesostigmata-T, T'', D, U
- GAMASIMA
 - Ascidae-D, U
 - Dermanyssidae (s.st.)-D, U
 - Laelapidae-D, U
 - Macrochelidae-D
 - Parasitidae-D
 - Phytoseiidae-T, T'', D, U

- Prostigmata-D
- Endeostigmata
- PACHYGNATHOIDEA
 - Alichorhagiidae-T''
 - Nanorchestidae-T'', D
- Heterostigmata
- TARSONEMOIDEA
 - Podapolipodidae-D
 - Pyemotidae-D, U

- Scutacaridae-D
- Tarsonemidae-D, U
- ANYSTOIDEA
 - Anystidae-T, T'', D, U
 - Pseudocheylidae-D
 - Teneriffiidae-D
- BDELLOIDEA
 - Bdellidae-T, T'', D, U
 - Cunaxidae-D, U

(Continued next page)

40-continued: Dr. Magdalena K.P. Meyer, Plant Protection Research Institute, Department of Agricultural Technical Services, Private Bag 134, Pretoria, South Africa.

CAECULOIDEA
Caeculidae-D
CHEYLETOIDEA
Cheyletidae-D, U
ERIOPHYOIDEA
Eriophyidae-T", D, U
EUPODOIDEA
Eupodidae-T", D, U
Rhagidiidae-D
LABIDOSTOMMOIDEA
Labidostommiidae-T
RAPHIGNATHOIDEA
Caligonellidae-T, T"

Cryptognathidae-T
Eupalopsellidae-T, D, U
Neophyllobiidae-D
Raphignathidae-D
Stigmeidae-T, T", D, U
Tarsocheylidae-U
TETRANYCHOIDEA
Linotetranidae-D
Tenuipalpidae-T, T", D, U
Tetranychidae-T, T", D, U
TYDEOIDEA
Paratydeidae-T"
Tydeidae-T, T", D, U

ERYTHRAEOIDEA
Erythraeidae-T, T", D, U
Smaridiidae-D
TROMBIDIOIDEA
Trombidiidae-T", D, U
Acaridei
ANOETOIDEA
Anoetidae-D
CANESTRINOIDEA
Hemisarcopidae-T, T"
ACAROIDEA
Acaridae-T, T", D, U
Carpoglyphidae-D, U
Oribatei-U

41-Drs. R.S. Du Plessis and G. Theiler, Director, Veterinary Research Institute, Department of Agriculture, Onderstepoort, Republic of South Africa.

CHEYLETOIDEA
Myobiidae-T"
TROMBIDIOIDEA
Trombiculidae-T"

42-Dr. Earle A. Cross, Department of Biology, The University of Alabama, Tuscaloosa, Alabama 35486.

TARSONEMOIDEA
Pyemotidae-T", D, U
Scutacaridae-D, U
Acaridei
ANOETOIDEA-D, U
ACAROIDEA-D, U

43-Dr. Irwin M. Newell, Department of Life Sciences, University of California, Riverside, California 92502.

Opilioacariformes
Opiliocaridae-U
Parasitiformes
HOLOTHYRINA
Holothyridae-U
SEJINA
Sejidae-U
Uropodellidae-U
GAMASINA
Ameroseiidae-U
Arctacaridae-U
Ascidae-U
Dermanyssidae (s.st.)-U
Epicriidae-U
Eviphididae-U
Halarachnidae-U
Laelapidae-U
Macrochelidae-U
Macronyssidae-U
Microgyniidae-U
Neoparasitidae-U
Pachylaelapidae-U
Parasitidae-U
Parholaspidae-U
Phytoseiidae-U
Podocinidae-U
Rhodacaridae-U

Spelaeorhynchidae-U
Spinturnicidae-U
Veigaiidae-U
Zerconidae-U
UROPODINA-U
ANTENNOPHORINA
Celaenopsidae-U
Cercomegistidae-U
Diplogyniidae-U
Euzerconidae-U
Klinckostroemiidae-U
Schizogyniidae-U
Endeostigmata
PACHYGNATHOIDEA
Lordalychidae-U
Nanorchestidae-U
Pachygnathidae-U
Sphaerolichidae-U
TARSONEMOIDEA
Podapolipodidae-U
Pyemotidae-U
Scutacaridae-U
Tarsonemidae-U
ANYSTOIDEA
Anystidae-U
Pseudocheylidae-D
Pterygosomidae-T, T", D, U

Teneriffidae-U
BDELLOIDEA
Bdellidae-D, U
Cunaxidae-U
CAECULOIDEA
Caeculidae-U
CHEYLETOIDEA
Cheyletidae-U
Harpyrhynchidae-U
Myobiidae-U
Syringophilidae-U
EUPODOIDEA
Eupodidae-U
Penthaleidae-U
Penthalodidae-U
Rhagidiidae-U
HALACAROIDEA
Halacaridae-T, T", D, U
IOLINOIDEA-U
LABIDOSTOMMOIDEA-U
RAPHIGNATHOIDEA
Caligonellidae-U
Cryptognathidae-U
Neophyllobiidae-U
Raphignathidae-U
Stigmeidae-U

(Continued next page)

43-continued: Dr. Irwin M. Newell, Department of Life Sciences, University of California, Riverside, California 92502.

TETRANYCHOIDEA	Pontarachnidae-U	LOHMANNIOIDEA
Linotetranidae-U	Unionicolidae-U	Lohmanniidae-U
Tenuipalpidae-U	ATUROIDEA	NOTHROIDEA
Tetranychidae-U	Aturidae-U	Camisiidae-U
Tuckerellidae-U	Axonopsidae-U	Hermannidae-U
TYDEOIDEA	MIDEOPSOIDEA	Malacothridae-U
Ereynetidae-U	Mideidae-U	Nothridae-U
Paratydeidae-U	Mideopsidae-U	Trhypochthoniidae-U
Tydeidae-U	ACALYPTONOTOIDEA	NEOLIOODOIDEA
ERYTHRHAEOIDEA	Athienemanniidae-U	Neolioididae-U
Calyptostomidae-U	ARRENUROIDEA	ZETORCHESTOIDEA
Erythraeidae-U	Arrenuridae-U	Zetorchestidae-U
Smaridiidae-U	Acaridei	EREMAEAOIDEA
TROMBIDIOIDEA	ANOETOIDEA	Eremaeidae-U
Johnstonianidae-T,T",D,U	Anoetidae-U	HERMANIELLOIDEA-U
Trombiculidae-U	CANESTRINOIDEA	Hermannelliidae-U
Trombidiidae-U	Canestriniidae-U	AMEROBELBOIDEA
Hydrachnellae-U	Hemisarcopidae-U	Ameridae-U
HYDROVOLZIOIDEA	Linobiidae-U	UNGROUPIED FAMILIES
Hydrovolziidae-U	ACAROIDEA	Carabodidae-U
HYDRACHNOIDEA	Acaridae-U	Cepheidae-U
Hydrachnidae-U	Chaetodactylidae-U	Ceratoppiidae-U
EYLAOIDEA	Glycyphagidae-U	Damaeidae-U
Eylaidae-U	Hyadesiidae-U	Gustaviidae-U
Limnocharidae-U	LISTROPHOROIDEA	Hydrozetidae-U
Piersigidae-U	Listrophoridae (s.s.l.)-U	Liacaridae-U
Protziidae-U	PSOROPTOIDEA	Limnozetidae-U
HYDRYPHANTOIDEA-U	Psoroptidae-U	Microzetidae-U
Hydrodromidae-U	ANALGOIDEA	Otocepheidae-U
Hydryphantidae-U	Proctophyllodidae-U	Peloppiidae-U
Thermacaridae-U	Oribatei-U	Suctobelbidae-U
Thyasidae-U	PALEACAROIDEA-U	PORONOTICAE-U
LEBERTIOIDEA	Acaronychidae-U	LOWER PLICATES-U
Anisitsiellidae-U	PARHYPOCHTHONIOIDEA-U	Ameronothridae-U
Lebertiidae-U	Brachychthoniidae-U	Cymbaeremaeidae-U
Oxidae-U	Cosmochthoniidae-U	Podacaridae-U
Pseudohydryphantidae-U	Hypochthoniidae-U	Scutoverticidae-U
Sperchonidae-U	Parhypochthoniidae-U	Tectocepheidae-U
Teutoniidae-U	Sphaerochthoniidae-U	HIGHER PLICATES-U
Torrenticolidae-U	ENARTHRONOTA	Achipteriidae-U
HYGROBATOIDEA	Brachychthoniidae	APOPHEREDERMES
Feltriidae-U	PROTOPLOPHOROIDEA	Oribatellidae-U
Hygrobatidae-U	Protoplophoridae-U	EXCENTROSCLEROSAE-U
Limnesiidae-U	MESOPLOPHOROIDEA	Oribatulidae-U
Nautarachnidae-U	Mesoplophoridae-U	MACROSCLEROSAE-U
Pionidae-U	PHTHIRACAROIDEA	Ceratozetidae-U
	Phthiracaridae-U	Galumnidae-U

44-Drs. James M. Brennan and Richard B. Loomis, Department of Biology, California State College, Long Beach, California, 90801.

ANYSTOIDEA
Pterygosomidae-T,T",D,U
TROMBIDIOIDEA
Trombiculidae-T,T",D,U

45-Dr. Deane P. Furman, Division of Parasitology, University of California, Berkeley, California 94720.

Parasitiformes	Rhinonyssidae-T",D	CHEYLETOIDEA
GAMASINA-T",D	Spelaeorhynchidae-D	Cheyletidae-D
Dermanyssidae (s.st.)-T",D	Spinturnicidae-T",D	Harpyrhynchidae-D
Haemogamasidae-T",D	IXODOIDEA	Myobiidae-D
Halarachnidae-T",D	Argasidae-D	TROMBIDIOIDEA
Laelapidae-T",D	Ixodidae-D	Trombiculidae-T",D
Macronyssidae-T",D		

(Continued next page)

45-continued: Dr. Deane P. Furman, Division of Parasitology, University of California, Berkeley, California 94720.

Acaridei	PSOROPTOIDEA	Epidermoptidae-T', D
ANOETOIDEA-D	Pneumocoptidae-D	SARCOPTOIDEA
ACAROIDEA-D, U	Psoroptidae-D	Kenmidocoptidae-D
LISTROPHOROIDEA	Pyroglyphidae-D	Sarcoptidae-D
Listrophoridae (s.s.l.)-T'', U	ANALGOIDEA	CYTODITOIDEA-D
Myocoptidae-D	Analgidae-D	

46-Dr. H.H. Keifer, 1112 Swanston Drive, Sacramento, California 95818.

ERIOPHYOIDEA
Eriophyidae-T, T'', D, U
Phytoptidae-T, T'', D, U
Rhyncaphytoptidae-T, T'', D, U

47-Dr. Harold Denmark, Entomology Section, Division of Plant Industry, P.O. 1269, Gainesville, Florida 32601

Opilioacariformes	TARSONEMOIDEA	Tuckerellidae-D, U
Opilioacaridae-U	Pyemotidae-D, U	TYDEOIDEA
Parasitiformes	Scutacaridae-D, U	Tydeidae-T'', D, U
GAMASINA	Tarsonemidae-T'', D, U	TROMBIDIOIDEA
Ameroseiidae-D, U	ANYSTOIDEA	Trombiculidae-U
Ascidae-T'', D, U	Anystidae-D, U	Trombidiidae-U
Dermanyssidae (s.st.)-D	BDELLOIDEA	Acaridei
Laelapidae-D, U	Bdellidae-D, U	ANOETOIDEA
Macrochelidae-D, U	Cunaxidae-D, U	Acaridae-D, U
Neoparasitidae-D, U	CHEYLETOIDEA	Glycyphagidae-D, U
Pachylaelapidae-D, U	Cheyletidae-T'', D, U	Oribatei
Parasitidae-U	ERIOPHYOIDEA	NOTHROIDEA
Parholaspidae-U	Eriophyidae-D, U	Malaconotidae-U
Phytoseiidae-T'', D, U	EUPODOIDEA	Nothridae-U
Podocinidae-T'', D, U	Eupodidae-U	EREMAEAOIDEA
Rhodacaridae-U	Rhagidiidae-U	Eremaeidae-U
Veigaiidae-U	RAPHIGNATHOIDEA	UNGROUPIED FAMILIES
UROPODINA-U	Caligonellidae-D, U	Carabodidae-U
ANTENNOPHORINA	Cryptognathidae-D, U	Oppiidae-U
Megisthanidae-U	Eupalopsellidae-T'', D, U	Suctobelbidae-U
Endostigmata	Neophyllobiidae-D, U	EXCENTROSCLEROSAE
PACHYGNATHOIDEA	Raphignathidae-D, U	Oribatulidae-U
Nanorchestidae-D, U	Stigmeidae-T'', D, U	Oripodidae-U
Pachygnathidae-D, U	TETRANYCHOIDEA	MACROSCLEROSAE
	Tenuipalpidae-D, U	Galumnidae-U
	Tetranychidae-D, U	

48-Drs. W.T. Atyeo, D.A. Crossley, Jr., P.E. Hunter, Acarina Collection, Department of Entomology, University of Georgia, Athens, Georgia 30601.

Parasitiformes	Iphiopsidae-U	Spinturnicidae-U
SEJINA	Ixodorrhynchidae-D, U	Veigaiidae-T'', D, U
Sejidae-U	Laelapidae-T, T'', D, U	Zerconidae-D, U
Uropodellidae-U	Macrochelidae-U	DIARTHROPHALLINA
GAMASINA	Macronyssidae-U	Diarthrophallidae-T'', D, U
Ameroseiidae-U	Neoparasitidae-U	ANTENNOPHORINA
Ascidae-T'', D, U	Otopheidomenidae-D, U	Antennophoridae-U
Dermanyssidae (s.st.)-D, U	Pachylaelapidae-U	Cercomegistidae-U
Entonyssidae-U	Parasitidae-U	Diplogyniidae-D, U
Epicriidae-U	Parholaspidae-D, U	Euzerconidae-D, U
Eviphididae-D, U	Phytoseiidae-D, U	Hoplomegistidae-T''
Haemogamasidae-D, U	Podocinidae-U	Klinckostroemiidae-T'', U
Halolaelapidae-U	Rhinonyssidae-T'', D, U	Megisthanidae-T'', D
Heterozerconidae-U	Rhodacaridae-T'', D, U	Parantennulidae-T''

(Continued next page)

48-continued: Drs. W.T. Atyeo, D.A. Crossley, Jr., P.E. Hunter, Acarina Collection, Department of Entomology, University of Georgia, Athens, Georgia 30601.

ANTENNOPHORINA cont'd.	TETRANYCHOIDEA	LOHMANNIOIDEA
Schizogyniidae-U	Tenuipalpidae-D, U	Epilohmanniidae-D
IXODOIDEA-U	Tetranychidae-T", D, U	Lohmanniidae-U
Endeostigmata	TYDEOIDEA	NOTHROIDEA
PACHYGNATHOIDEA	Ereynetidae-T, T", D, U	Camisiidae-D, U
Alichorhagiidae-D	Paratydeidae-D, U	Hermannidae-D, U
Lordalychidae-U	Tydeidae-T", D, U	Malaconothridae-U
Nanorchestidae-D, U	ERYTHRAEOIDEA	Nanhermanniidae-D, U
Pachygnathidae-D, U	Erythraeidae-U	Nothridae-U
TARSONEMOIDEA	Smaridiidae-U	Trhypochthoniidae-D
Pyemotidae-U	TROMBIDIOIDEA	ZETORCHESTOIDEA
Scutacaridae-U	Trombiculidae-T, T", D, U	Zetorchestidae-U
Tarsonemidae-D, U	Trombidiidae-D, U	HERMANIELLOIDEA
ANYSTOIDEA	Acaridei	Hermannellidae-U
Anystidae-T", U	ANOETOIDEA	PLATEREMAEAOIDEA
Heterocheylidae-D, U	Anoetidae-T", D, U	Gymnodamaeidae-U
Pterygosomidae-U	ACAROIDEA	Licnodamaeidae-U
Teneriffiidae-U	Acaridae-T", D, U	UNGROUPED FAMILIES
BDELLOIDEA	Chaetodactylidae-U	Astegistidae-D, U
Bdellidae-D	Ewingidae-D	Basiobelbidae-U
Cunaxidae-D	Glycyphagidae-U	Carabodidae-D, U
CAECULOIDEA	Rosensteiniidae-T"	Cepheidae-U
Caeculidae-U	Saprogliphidae-U	Ceratoppiidae-D
CHEYLETOIDEA	LISTROPHOROIDEA	Damaeidae-U
Cheyletidae-D, U	Listrophoridae (s.s.l.)-U	Liacaridae-D, U
Cloacaridae-U	Myocoptidae-U	Microzetidae-U
Demodicidae-U	PSOROPTOIDEA	Oppiidae-D, U
Harpyrhynchidae-U	Psoroptidae-D, U	Peloppiidae-U
Myobiidae-U	ANALGOIDEA	Suctobelbidae-U
Syringophilidae-T, T"	Analgidae-T, T", U	Tenuialidae-U
ERIOPHYOIDEA	Dermoglyphidae-T, T", U	PORONOTICAE
Eriophyidae-D, U	Freyanidae-T, T", U	LOWER PLICATES
EUPODOIDEA	SARCOPTOIDEA	Licneremaeidae-U
Eupodidae-U	Sarcoptidae-D, U	Scutoverticidae-D, U
Penthaleidae-U	Oribatei	Tectocepheidae-D, U
Rhagidiidae-U	PALEACAROIDEA	HIGHER PLICATES
HALACAROIDEA	Acaronychidae-U	Achipteriidae-U
Halacaridae-U	ENARTHRONOTA	Phenopelopidae-U
LABIDOSTOMMOIDEA	Brachychthoniidae-D, U	Tegoribatidae-U
Labidostommidiae-T, T", D, U	Haplochthoniidae-U	APOPHEREDERMES
RAPHIGNATHOIDEA	MESOPLOPHOROIDEA	Oribatellidae-D, U
Cryptognathidae-D, U	Mesoplophoridae-D, U	EXCENTROSCLEROSAE
Neophyllobiidae-U	PHTHIRACAROIDEA	Haplozetidae-U
Raphignathidae-U	Euphthiracaridae-U	Oribatulidae-U
Stigmaeidae-U	Phthiracaridae-U	Oripodidae-U
Tarsocheylidae-U		Parakalummidae-U

49-Chairman, Department of Entomology, University of Nebraska, Lincoln, Nebraska 68503.

BDELLOIDEA
Bdellidae-T, T"
LABIDOSTOMMOIDEA
Labidostommidiae-T, T"
RAPHIGNATHOIDEA
Caligonellidae-T, T"
Raphignathidae-T", D
Tarsocheylidae-T", D

50-Drs. R.E. Beer and J. Camin, Department of Entomology, Snow Entomological Museum, University of Kansas, Lawrence, Kansas 66044.

Opilioacariformes
 Opilioacaridae-D, U
Parasitiformes
 SEJINÁ
 Sejidae-D
 Uropodellidae-D
GAMASINA
 Ameroseiidae-D
 Arctacaridae-D
 Dermanyssidae (s.st.)-D
 Entonyssidae-D
 Epicriidae-D
 Haemogamasidae-D
 Halarachnidae-D
 Ixodorrhynchidae-D, U
 Laelapidae-T'', D
 Macrochelidae-T'', D
 Macronyssidae-D
 Microgyniidae-T''
 Podocinidae-D
 Raillietidae-D
 Rhinonyssidae-D
 Spelaeorhynchidae-D
 Spinturnicidae-D
UROPODINA-T, T'', D
DIARTHROPHALLINA
 Diarthrophallidae-D
ANTENNOPHORINA
 Antennophoridae-D
 Celaenopsidae-D
 Cercomegistidae-D, U
 Diplogyniidae-D
 Euzerconidae-D
 Fedrizziidae-D
 Hoplomegistidae-D
 Klinckostroemiidae-D
 Megisthanidae-D
 Paramegistidae-D
 Parantennulidae-D
 Schizogyniidae-D
IXODOIDEA
 Argasidae-D
 Ixodidae-D
Endeostigmata
PACHYGNATHOIDEA
 Alichorhagiidae-U
 Lordalychidae-U
 Nanorchestidae-U
 Pachygnathidae-U
 Pediculochelidae-U
 Sphaerolichidae-U

TARSONEMOIDEA
 Podapolipodidae-U
 Pyemotidae-T'', D
 Scutacaridae-T
 Tarsonemidae-T, T'', D
ANYSTOIDEA
 Anystidae-U
 Heterocheylidae-U
 Pseudocheylidae-U
 Pterygosomidae-T, D, U
 Teneriffiidae-U
BDELLOIDEA
 Bdellidae-T, T'', D
 Cunaxidae-U
CAECULOIDEA
 Caeculidae-U
CHEYLETOIDEA
 Cheyletidae-T, T'', D
 Cloacaridae-T, T'', D, U
 Demodicidae-U
 Harpyrhynchidae-T'', D
 Myobiidae-D, U
 Ophioptidae-U
 Psorergatidae-U
 Syringophilidae-D, U
ERIOPHYOIDEA
 Eriophyidae-T, T'', D
EUPODOIDEA
 Eupodidae-U
 Penthaleidae-T, T'', D
 Penthalodidae-U
 Rhagidiidae-U
HALACAROIDEA
 Halacaridae-U
LABIDOSTOMMOIDEA
 Labidostommidae-T, T'', D
RAPHIGNATHOIDEA
 Caligonellidae-U
 Cryptognathidae-U
 Eupalopsellidae-U
 Neophyllobiidae-U
 Raphignathidae-T, U
 Stigmaeidae-U
TETRANYCHOIDEA
 Tenuipalpidae-D, U
 Tetranychidae-T, T'', D, U
 Tuckerellidae-D
TYDEOIDEA
 Ereynetidae-U
 Nematalycidae-U
 Paratydeidae-U
 Tydeidae-U

ERYTHRAEOIDEA
 Calyptostomidae-U
 Erythraeidae-U
 Smaridiidae-U
TROMBIDIOIDEA
 Johnstonianidae-U
 Trombiculidae-T, T'', D, U
 Trombidiidae-U
 Hydrachnellae-U
Acaridei
 ANOETOIDEA-U
 CANESTRINOIDEA-U
ACAROIDEA
 Acaridae-U
 Carpoglyphidae-U
 Chortoglyphidae-U
 Ewingidae-U
 Glycyphagidae-U
 Hyadesiidae-U
 Labidophoridae-U
 Rosensteiniidae-U
 Saprolyphidae-U
LISTROPHOROIDEA
 Listrophoridae (s.sl.)-U
 Myocoptidae-U
PSOROPTOIDEA-U
ANALGOIDEA
 Analgidae-U
 Dermoglyphidae-U
 Epidermoptidae-U
 Freyanidae-U
 Proctophyllodidae-T'', U
 Turbinoptidae-U
SARCOPTOIDEA
 Knemidocoptidae-U
 Sarcoptidae-U
CYTODITOIDEA
 Cytoditidae-U
 Laminosioptidae-U
Oribatei
 Oribatei Inferiores-U
 PHTHIRACAROIDEA-T''
 Oribatei Circumdehiscentiae-U
UNGROUPIED FAMILIES-U
PORONOTICAE-U
APOPHREDERMES
 Oribatellidae-U
EXCENTROSCLEROSAE-U
MACROSCLEROSAE-U
UNGROUPIED FAMILIES-U

51-Dr. Carl W. Rettenmeyer, Biological Sciences Group, Life Sciences Building, University of Connecticut, Storrs, Connecticut 06268.

GAMASINA
 Laelapidae-U
 Macrochelidae-U
 Neoparasitidae-U
UROPODINA-T, T'', D, U

TARSONEMOIDEA
 Podapolipodidae-U
 Pyemotidae-T'', D, U
 Scutacaridae-U
CHEYLETOIDEA
 Myobiidae-T'', D

TYDEOIDEA
 Ereynetidae-U
Acaridei
 ANOETOIDEA
 Anoetidae-U
ACAROIDEA
 Acaridae-U

52-Dr. J.P. Woodring, Department of Zoology, Louisiana State University, Baton Rouge, Louisiana 70803.

Parasitiformes		
GAMASINA	Nanhermanniidae-D	PORONOTICAE
Entonyssidae-T"	Nothridae-D	LOWER PLICATES
IXODOIDEA	Trhypochthoniidae-D	Ameronothridae-D
Ixodidae-D	EREMAOIDEA	Cymbaeremaeidae-D
Acaridei	Eremaeidae-U	Fortuyniidae-D
ANOETOIDEA	HERMANIELLOIDEA-D	Passalozetidae-D
Anoetidae-T, T", D, U	PLATEREMAOIDEA-U	Podacaridae-D
ACAROIDEA	AMEROBELBOIDEA	Scutoverticidae-D
Acaridae-T, T", D, U	Amerobelbidae-D	Selenoribatidae-D
Carpoglyphidae-D	UNGROUPIED FAMILIES	Tectocepheidae-D
Chortoglyphidae-D	Astegistidae-D	HIGHER PLICATES
Ctenoglyphidae-D	Carabodidae-D	Achipteriidae-D
Glycyphagidae-D, U	Cepheidae-D	Tegoribatidae-D, U
Saproglyphidae-T, T", D, U	Ceratoppiidae-D	APOPHEREDERMES
Oribatei-T, T", D, U	Damaeidae-D	Oribatellidae-D, U
PHTHIRACAROIDEA-D, U	Gustaviidae-D	EXCENTROSCLEROSAE
LOHMANNIOIDEA	Hydrozetidae-D	Haplozetidae-T", D, U
Eulohmanniidae-D	Liacaridae-D	Mochlozetidae-D, U
Lohmanniidae-D	Microzetidae-U	Oribatulidae-T, D, U
NOTHROIDEA-D	Oppiidae-U	Oripodidae-D, U
Camisiidae-D	Peloppiidae-D, U	MACROSCLEROSAE
Hermannidae-D	Suctobelbidae-U	Ceratozetidae-T, T", D, U
	Tenuialidae-D, U	Chemobatidae-D, U
		Euzetidae-D
		Galumnidae-T, T", D, U
		Mycobatidae-D, U

53-Dr. John C. Moser, U.S. Forest Service, Southern Forest Experiment Station, 2500 Shreveport Highway, Pineville, Louisiana 71360.

Parasitiformes		
SEJINA	BDELLOIDEA	ACAROIDEA
Uropodellidae-D	Bdellidae-D	Acaridae-D
GAMASINA	Cunaxidae-D	Glycyphagidae-D
Ameroseiidae-D	CHEYLETOIDEA	PHTHIRACAROIDEA
Ascidae-D	Cheyletidae-D	Euphthiracaridae-U
Digamasellidae-D	EUPODOIDEA	NEOLIODOIDEA
Laelapidae-D	Eupodidae-U	Neolioididae-U
Macrochelidae-D	RAPHIGNATHOIDEA	UNGROUPIED FAMILIES
Parasitidae-D	Cryptognathidae-D	Peloppiidae-U
Phytoseiidae-D	Eupalopsellidae-D	PORONOTICAE
Rhodacaridae-D	Neophyllobiidae-D	LOWER PLICATES
Veigaiidae-D	Raphignathidae-D	Cymbaeremaeidae-D
UROPODINA-D	Stigmaeidae-D	EXCENTROSCLEROSAE
ANTENNOPHORINA	Tarsocheylidae-D	Haplozetidae-U
Celaenopsidae-D	TYDEOIDEA	Oribatulidae-U
Cercomegistidae-D	Ereynetidae-D	MACROSCLEROSAE
TARSONEMOIDEA	Tydeidae-U	Ceratozetidae-U
Pyemotidae-D	ACARIDEI	Galumnidae-U
Tarsonemidae-D	ANOETOIDEA	
	Anoetidae-D	

54-Dr. George Anastos, Department of Zoology, University of Maryland, College Park, Maryland 20742.

IXODOIDEA
Argasidae-D, U
Ixodidae-T", D, U

55-Dr. David R. Cook, Department of Biology, Wayne State University, Detroit, Michigan 48202.

Hydrachnellae		
HYDROVOLZIOIDEA	EYLAOIDEA	HYDRYPHANTOIDEA
Hydrovolziidae-T", D	Eylaidae-T", D, U	Clathrospherchonidae-T", D
HYDRACHNOIDEA	Limnocharidae-T", D	Hydrodromidae-T", D, U
Hydrachnidiae-T", D, U	Piersigiidae-D	Hydryphantidae-D, U
	Protziidae-T", D, U	

(Continued next page)

55-continued: Dr. David R. Cook, Department of Biology, Wayne State University, Detroit, Michigan 48202.

Thermacaridae-D	Feltriidae-T", D	Momoniidae-T", D, U
Thyasidae-T", D	Hygrobatidae-T", D, U	Neoacaridae-T", D, U
LEBERTIOIDEA	Limnesiidae-T", D, U	Uchidastygacaridae-T", D, U
Anisitsiellidae-T", D, U	Pionidae-T", D, U	ACALYPTONOTOIDEA
Lebertiidae-T", D, U	Unionicolidae-T", D, U	Acalyptonotidae-D
Oxidae-T", D, U	AXONOPSAE	Athienemanniidae-T", D
Pseudohydryphantidae-D	Aturidae-T", D, U	Harpagopalpidae-T", D, U
Sperchonidae-T", D, U	Axonopsidae-T", D, U	Krendowskidae-D
Teutoniidae-D	MIDEOPSOIDEA	ARRENUROIDEA
Torrenticolidae-T", D, U	Mideidae-D	Arrenuridae-T", D, U
HYGROBATOIDEA	Mideopsidae-T", D, U	Hungarohydracaridae-T", D, U

56-Dr. G. M. Kohls, Rocky Mountain Laboratory, U.S. Public Health Service, Hamilton, Montana, 59840.

IXODOIDEA	TROMBIDIOIDEA
Argasidae-T, T", D, U	2*Trombiculidae-T, T", D, U
1*Ixodidae-T, T", D, U	

- - - - - 1* = Schulze Collection, in part.

2* = H. E. Ewing Collection, in part.

NOTE: The Rocky Mountain Laboratory, National Institute of Health Collections are eventually destined for the United States National Museum. The entire collection of Trombiculidae is on long-term loan to the Bishop Museum, # 67, page 49, Dr. Lee Goff.

57-Dr. Conrad E. Yunker, Rocky Mountain Laboratory, U.S. Public Health Service, Hamilton, Montana 59840

Parasitiformes	CHEYLETOIDEA	LISTROPHOROIDEA
GAMASINA-U	Cheyletidae-T", D, U	Chirorrhynchobiidae-T", D
Ascidae-T", D, U	*Syringophilidae-T", D	Listrophoridae (s.s.l.)-D, U
Dasyponyssidae-T"	Acaridei	PSOROPTOIDEA
Germanyssidae (s.st.)-T", D, U	ACAROIDEA-U	Gastronyssidae-T", D
Haemogamasidae-D, U	Ewingidae-T", D	Pneumocoptidae-D
Halarachnidae-D	Glycyphagidae-D, U	Psoroptidae-D
Histrichonyssidae-T", D, U	Labidophoridae-T", U	Yunkeracaridae-D
Laelapidae-T", D, U	Rosensteiniidae-U	ANALGOIDEA-U
Macronyssidae-T, T", D, U		SARCOPTOIDEA
Manitheronyssidae-D		Knemidocoptidae-D
Spelaeorhynchidae-U		Sarcoptidae-D
Spinturnicidae-D		Teinocoptidae-D

- - - - - * = G.M. Clark Collection.

NOTE: The Rocky Mountain Laboratory, National Institute of Health Collections are eventually destined for the United States National Museum.

58-Dr. Asher E. Treat, 51 Colonial Parkway, Dumont, New Jersey 07628.

GAMASINA	Otopheidomenidae-T", D	ERYTHRAEOIDEA
Ameroseiidae-T", D, U	Phytoseiidae-D	Erythraeidae-U
Ascidae-T", D, U	TARSONEMOIIDEA	TROMBIDIOIDEA
Germanyssidae (s.st.)-D	Pyemotidae-U	Trombidiidae-U
Iphiopsidae-T", D	Tarsonemidae-D	ACAROIDEA
Laelapidae-D,	TYDEOIDEA	Carpoglyphidae-D
	Tydeidae-T", D, U	Glycyphagidae-D
		Saproglyphidae-D

59-Dr. Maurice H. Farrier, Department of Entomology, North Carolina State University at Raleigh, Box 5215, Raleigh, North Carolina, 27607.

GAMASINA
Phytoseiidae-D
Rhodacaridae-U
Veigaiidae-T
Zerconidae-D

60-Dr. Paul Peterson, Department of Biology, Youngstown State University, 410 Wick Avenue, Youngstown, Ohio 44503.

Acaridei
ANALGOIDEA
Analgidae-D,U
Dermoglyphidae-D,U
Freyanidae-D,U
Proctophyllodidae-T,T",D,U

61-Dr. Stanley B. Mulaik, Department of Zoology, University of Utah, Salt Lake City, Utah 84112.

Parasitiformes
IXODOIDEA
Ixodidae-D
CAECULOIDEA
Caeculidae-T,T",D,U

62-Dr. Vernon T. Tipton, Department of Zoology, Brigham Young University, Provo, Utah 84601.

Parasitiformes
GAMASINA
Dermyssidae (s.st.)-D
Laelapidae-D
Macronyssidae-D
Spelaeorhynchidae-D

63-Dr. Louis J. Metz, Forestry Sciences Laboratory, P.O. Box 12254, Research Triangle Park, North Carolina 27709.

Parasitiformes	Parholaspidae-D,U	Zerconidae-D,U
GAMASINA	Phytoseiidae-D,U	TARSONEMOIDEA
Ascidae-D,U	Podocinidae-D,U	Pyemotidae-U
Laelapidae-U	Rhodacaridae-D,U	BDELLOIDEA
Parasitidae-D,U	Veigaiidae-D,U	Bdellidae-U
-----		Cunaxidae-U
		*Oribatei-D,U

* = A.P. Jacot Collection in part, determined species only.

64-Dr. Wilbur R. Enns, Department of Entomology, University of Missouri, I-79 Agriculture Building, Columbia, Missouri 65201.

Opilioacariformes	Pachylaelapidae-U	IXODOIDEA
Opilioacaridae-D	Parasitidae-U	Argasidae-D,U
Parasitiformes	Phytoseiidae-T",D,U	Ixodidae-D,U
SEJINA	Podocinidae-D,U	Endeostigmata
Sejidae-U	Rhinonyssidae-D,U	PACHYGNATHOIDEA
Uropodellidae-U	Rhodacaridae-U	Alichorhagiidae-U
GAMASINA	Spinturnicidae-U	Nanorchestidae-U
Ameroseiidae-U	Veigaiidae-U	Pachygnathidae-U
Ascidae-U	Zerconidae-D,U	TARSONEMOIDEA
Dermyssidae (s.st.)-D	UROPODINA-U	Podapolipodidae-D
Digamasellidae-U	DIARTHROPHALLINA	Pyemotidae-D,U
Entonyssidae-U	Diarthrophallidae-D,U	Scutacaridae-U
Epicriidae-U	ANTENNOPHORINA	Tarsonemidae-U
Eviphididae-U	Antennophoridae-U	ANYSTOIDEA
Haemogamasidae-U	Cercomegistidae-U	Anystidae-U
Halarachnidae-D	Diplogyniidae-U	Heterocheylidae-U
Heterozerconidae-U	Euzerconidae-D,U	Pterygosomidae-U
Ixodorrhynchidae-D,U	Hoplomegistidae-U	Teneriffiidae-D
Laelapidae-D,U	Megisthanidae-D	BDELLOIDEA
Macrochelidae-D,U	Paramegistidae-U	Bdellidae-D,U
Macronyssidae-D,U	Parantennulidae-U	Cunaxidae-U
Neoparasitidae-U		

(Continued next page)

64-continued: Dr. Wilbur R. Enns, Department of Entomology, University of Missouri, I-79 Agriculture Building, Columbia, Missouri 65201.

CAECULOIDEA	Hydrachnellaee-U	Epidermoptidae-U
Caeculidae-T",D,U	HYDRACHNOIDEA	Freyanidae-U
CHEYLETOIDEA	Hydrachnidae-U	Proctophyllodidae-D,U
Cheyletidae-T",D,U	EYLAOIDEA	SARCOPTOIDEA
Cloacaridae-D,U	Eylaidae-U	Knemidocoptidae-D
Demodicidae-D,U	HYDRAYPHANTOIDEA	Sarcopidae-D,U
Harpypsynchidae-U	Hydryphantidae-U	CYTODITOIDEA
Myobiidae-U	LEBETIOIDEA	Cytoditidae-U
Syringophilidae-U	Lebertiidae-U	Oribatei-U
ERIOPHYOIDEA	HYGROBATOIDEA	PALEACAROIDEA
Eriophyidae-D,U	Hygrobatidae-U	Paleacaridae-U
EUPODODIDEA	Limnesiidae-U	ENARTHRONOTA
Eupodidae-D,U	Pionidae-U	Hypochthoniidae-U
Penthaleidae-D	Unionicolidae-U	PHTHIRACAROIDEA
Penthaloididae-U	ATUROIDEA	Phthiracaridae-U
Rhagidiidae-U	Axonopsidae-U	LOHMANNIOIDEA
LABIDOSTOMMOIDEA	ARRENUROIDEA	Epilohmanniidae-U
Labidostommidae-U	Arrenuridae-U	Lohmanniidae-U
RAPHIGNATHOIDEA	Acaridei	NOTHROIDEA
Cryptognathidae-U	ANOETOIDEA	Camisiidae-U
Neophyllobiidae-D	Anoetidae-D,U	EREMAEOIDEA
Raphignathidae-U	CANESTRINOIDEA	Eremaeidae-U
Stigmaeidae-D,U	Canestriniidae-U?	HERMANIELLOIDEA
Tarsocheylidae-U	Hemisarcopidae-U	Hermannelliidae-U
TETRANYCHOIDEA	ACAROIDEA	UNGROUPIED FAMILIES
Tenuipalpidae-T",D,U	Acaridae-U	Carabodidae-U
Tetranychidae-T",D,U	Chortoglyphidae-U	Damaeidae-U
TYDEOIDEA	Ewingidae-U	PORONOTICAE
Ereynetidae-T",D,U	Glycyphagidae-U	LOWER PLICATES
Paratydeidae-U	Labidophoridae-U	Cymbaeremaeidae-U
Tydeidae-U	Rosensteiniidae-U	APOPHEREDERMES
ERYTHRAEOIDEA	Saproglyphidae-U	Oribatellidae-U
Calyptostomidae-U	LISTROPHOROIDEA	EXCENTROSCLEROSAE
Erythraeidae-U	Listrophoridae (s.s.l.)-U	Haplozetidae-U
Smaridiidae-U	Myocoptidae-U	Oribatulidae-U
TROMBIDIOIDEA	PSOROPTOIDEA	MACROSCLEROSAE
Trombiculidae-D,U	Psoroptidae-D,U	Ceratozetidae-U
Trombidiidae-D,U	ANALGOIDEA	Galumnidae-U
	Analgidae-D,U	
	Dermoglyphidae-D,U	

65-Dr. Marcel R. Reeves, Department of Entomology, Nesmith Hall, University of New Hampshire, Durham, New Hampshire 03824.

Parasitiformes	UROPODINA-U	CHEYLETOIDEA
SEJINA	IXODOIDEA	Cheyletidae-U
Sejidae-U	Argasidae-D	ERIOPHYOIDEA
GAMASINA	Ixodidae-D	Eriophyidae-U
Ascidae-U	Endeostigmata	EUPODOIDEA
Germanyssidae (s.s.t.)-U	PACHYGNATHOIDEA	Eupodidae-U
Epicriidae-U	Alichorhagiidae-U	Penthaleidae-U
Haemogamasidae-U	Lordalychidae-U	Penthalodidae-U
Laelapididae-U	Nanorchestidae-U	Rhagidiidae-U
Macrochelidae-U	Pachygnathidae-U	RAPHIGNATHOIDEA
Macronyssidae-U	Sphaerolichidae-U	Caligonellidae-U
Neoparasitidae-U	TARSONEMOIDEA	Cryptognathidae-U
Parasitidae-D,U	Pyemotidae-U	Stigmeidae-U
Parholaspidae-D,U	Scutacaridae-U	TETRANYCHOIDEA
Phytoseiidae-D,U	Tarsonemidae-U	Tenuipalpidae-D,U
Podocinidae-U	ANYSTOIDEA	Tetranychidae-T",D
Rhinonyssidae-U	Anystidae-U	TYDEOIDEA
Rhodacaridae-U	Pseudocheylelidae-U	Ereynetidae-U
Veigaiidae-D,U	BDELLOIDEA	Tydeidae-U
Zerconidae-U	Bdellidae-D,U	
	Cunaxidae-U	

(Continued next page)

65-continued: Dr. Marcel R. Reeves, Department of Entomology, Nesmith Hall, University of New Hampshire, Durham, New Hampshire 03824.

ERYTHRAEOIDEA	LOHMANNIOIDEA	Eutegaeidae-D, U
Erythraeidae-U	Epilohmanniidae-D, U	Liacaridae-D, U
Smaridiidae-U	Eulohmanniidae-D, U	Niphocepheidae-D, U
TROMBIDIOIDEA	Lohmanniidae-D, U	Oppiidae-D, U
Trombiculidae-U	NOTHROIDEA	Peloppiidae-D, U
Trombidiidae-U	Camisiidae-D, U	Suctobelbidae-D, U
Acaridei	Malaconothridae-D, U	Tenuialidae-D, U
ACAROIDEA-U	Nanhermanniidae-D, U	Thyrisomidae-D, U
ANALGOIDEA	Nothridae-D, U	PORONOTICAE
Analgidae-U	Trhypochthoniidae-D, U	LOWER PLICATES
Proctophyllodidae-U	NEOLIODOIDEA	Cymbaeremaeidae-D, U
Oribatei	Neolioididae-D, U	Licneremaeidae-D, U
PALEACAROIDEA	EREMAEPODEA	Micreremidae-D, U
Paleacaridae-D	Eremaeidae-D, U	Passalozetidae-D, U
PARHYPOCHTHONIOIDEA	HERMANIELLOIDEA	Tectocepheidae-D, U
Gehypochthoniidae-D	Hermannelliidae-D, U	HIGHER PLICATES
Parhypochthoniidae-D	PLATEREMAEAOIDEA	Achipteriidae-D, U
ERARTHRONOTA	Gymnodamaeidae-D, U	Tegoribatidae-D, U
Atopochthoniidae-D	AMEROBELBOIDEA	APOPHEREDERMES
Brachychthoniidae-T", D, U	Eremobelbidae-D, U	Oribatellidae-D, U
Cosmochthoniidae-T", D	Eremulidae-D, U	EXCENTROSCLEROSAE
Haplochthoniidae-D	UNGROUPED FAMILIES	Haplozetidae-D, U
Hypochthoniidae-D	Astegistidae-D, U	Oribatulidae-D, U
Pterochthoniidae-D	Autogentidae-D, U	Oripodidae-D, U
MESOPLOPHOROIDEA	Caleremaeidae-D, U	Parakalummidae-D, U
Archoplophoridae-D	Carabodidae-D, U	MACROSCLEROSAE
PHTHIRACAROIDEA	Cepheidae-D, U	Ceratozetidae-T", D, U
Euphthiracaridae-D, U	Ceratoppiidae-D, U	Galumnidae-D, U
Phthiracaridae-D, U	Damaeidae-D, U	Mycobatidae-D, U

66-Dr. Rodger D. Mitchell, Faculty of Zoology, Ohio State University, 1735 Neil Avenue, Columbus, Ohio 43210.

Hydrachnella-D, U	HYDRYPHANTOIDEA	ATUROIDEA
HYDROVOLZIOIDEA	Thermacaridae-T"	Aturidae-T"
Hydrovolziidae-T"	HYGROBATOIDEA	ARRENUROIDEA
EYLAOIDEA	Unionicolidae-T"	Arrenuridae-T"
Piersidiidae-T"		

67-Drs. Frank Radovsky, JoAnn Tenorio, Lee Goff, Department of Entomology, Bernice P. Bishop Museum, Honolulu, Hawaii, 96818. See also # 56, page 46: Trombiculidae collections.

Parasitiformes	Parholaspidae-U	ANYSTOIDEA
SEJINA	Phytoseiidae-T, D	Anystidae-U
Sejidae-D	Podocinidae-U	Pterygosomidae-D, U
GAMASINA	Rhinonyssidae-T, T", D, U	BDELLOIDEA
Ameroseiidae-T, D	Rhodacaridae-T, D	Bdellidae-D, U
Ascidae-D, U	Spinturnicidae-T, D, U	Cunaxidae-U
Dasyponyssidae-T, T"	Veigaiidae-T, D, U	CHEYLETOIDEA
Dermanyssidae (s.st.)-T, T", D, U	Zerconidae-T, U	Cheyletidae-T, D, U
Digamasellidae-D, U	ANTENNOPHORINA	Demodicidae-D
Entonyssidae-D	Parantennulidae-T, D	Harpyrhynchidae-D
Eviphididae-T, D	IXODOIDEA	Myobiidae-T, T", D
Haemogamsidae-D, U	Argasidae-D, U	Psorergatidae-D, U
Halarachnidae-D, U	Ixodidae-T, D, U	EUPODOIDEA
Heterozerconidae-U	Endeostigmata	Eupodidae-T, D, U
Laelapidae-T, T", D, U	PACHYGNATHOIDEA	Penthaleidae-T, D
Macrochelidae-D, U	Nanorchestidae-T, D, U	Penthalodidae-D, U
Macronyssidae-T", D, U	TARSONEMOIDEA	Rhagidiidae-T, D, U
Neoparasitidae-D	Pyemotidae-D	HALACAROIDEA
Otopheidomenidae-D	Scutacaridae-U	Halacaridae-D
Pachylaelapidae-D		
Parasitidae-D, U		

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67-continued: Drs. Frank Radovsky, JoAnn Tenorio, Lee Goff, Department of Entomology, Bernice P. Bishop Museum, Honolulu, Hawaii, 96818. See also # 56, page 46: Trombiculidae collections.

IOLINOIDEA	PSOROPTOIDEA	Nanhermanniidae-U
Ioliniidae-U	Psoroptidae-D	*Nothridae-T, U
RAPHICNATHOIDEA	ANALGOIDEA	Trhypochthoniidae-D
Raphignathidae-U	Analgidae-D, U	NEOLIODOIDEA
Stigmaeidae-T, D, U	Dermoglyphidae-D, U	*Neolioididae-T
TETRANYCHOIDEA	Epidermoptidae-D, U	EREMAEAOIDEA
Tenuipalpidae-D, U	Freyanidae-U	Eremaeidae-D
Tetranychidae-D, U	Proctophyllodidae-D, U	PLATEREMAEOIDEA
TYDEOIDEA	Turbinoptidae-D, U	*Liodidae-T, T"
Ereynetidae-D, U	SARCOPTOIDEA	UNGROUPIED FAMILIES
Tydeidae-T, D, U	Knemidocoptidae-D, U	*Carabodidae-T, T", D
ERYTHRAEOIDEA	Sarcoptidae-T, D, U	*Eutegaeidae-T
Erythraeidae-U	Teinocoptidae-T, D, U	*Oppidae-T, U
TROMBIDIOIDEA	Oribatei	*Otocepheidae-T
Trombiculidae-T, T", D	ENARTHRONOTA	PORONOTICAE
Trombidiidae-T, T", D, U	Cosmochthoniidae-U	LOWER PLICATES
Acaridei	Hypochthoniidae-U	*Cymbaeremaeidae-T, D
CANESTRINOIDEA	MESOPLOPHOROIDEA	Podacaridae-D
Linobiidae-U	Mesoplophoridae-U	EXCENTROSCLEROSAE
ACAROIDEA	PHTHIRACAROIDEA	*Haplozetidae-T
Acaridae-T, T"	*Euphthiracaridae-T, T", D	*Oribatulidae-T, T", D
Glycyphagidae-D, U	*Phthiracaridae-T, T"	MACROSCLEROSAE
Labidophoridae-D, U	LOHMANNIOIDEA	*Ceratozetidae-T, T", D
Rosensteiniidae-D	*Epilohmanniidae-T, D	*Galumnidae-T, T"
Saprogliphidae-U	Lohmanniidae-U	
LISTROPHOROIDEA	NOTHROIDEA	
Listrophoridae (s.s.l.)-T, D, U	Camisiidae-T, D	
Myocoptidae-D, U	Malacothridae-U	

- - - - * = Jacot Collection, in part.

68-Dr. Frank Radovsky, personal collection, Department of Entomology, Bernice P. Bishop Museum, Honolulu, Hawaii, 96818, U.S.A.

GAMASINA

Macronyssidae-T", D, U

69-Dr. J.B. Kethley, Division of Insects, Field Museum of Natural History, Chicago, Illinois 60605.

Parasitiformes	Rhinonyssidae-D	Lordalychidae-D, U
SEJINA	Rhodacaridae-U	Nanorchestidae-U
Sejidae-U	Spinturnicidae-T, T", D, U	Pachygnathidae-D, U
GAMASINA	Veigaiidae-U	Terpnacaridae-U
Ameroseiidae-U	Zerconidae-U	TARSONEMOIDEA
Ascidae-U	UROPODINA-T", D, U	Podapolipodidae-U
Dermanyssidae (s.st.)-T, T", D	DIARTHROPHALLINA	Pyemotidae-T, T", U
Discozerconidae-U	Diarthropallidae-U	ANYSTOIDEA
Epicriidae-U	ANTENNOPHORINA	Heterocheylidiae-U
Eviphididae-D, U	Diplogyniidae-U	Pterygosomidae-U
Halarachnidae-D	Euzerconidae-U	BDELLOIDEA
Halolaelapidae-D	Fedrizzidae-U	Bdellidae-D, U
Heterozerconidae-U	Hoplomegistidae-U	Cunaxidae-D, U
Iphiopsidae-U	Klinckostroemidae-U	CAECULOIDEA
Ixodorrhynchidae-D, U	Megisthanidae-D	Caeculidae-U
Laelapidiae-T, T", D, U	Parantennulidae-T", D, U	CHEYLETOIDEA
Macrochelidae-T, T", D	Schizogyniidae-U	Cheyletidae-U
Macronyssidae-T, T", D	IXODOIDEA	Demodicidae-T"
Otopheidomenidae-T, D	Argasidae-T, T", D, U	Herpyrhynchidae-U
Pachylaelapidae-U	Ixodidae-T, T", D, U	Myobiidae-T", D
Parasitidae-U	Endeostigmata	Ophioptidae-D, U
Phytoseiidae-D	PACHYGNATHOIDEA	Psorergatidae-T", D
Podocinidae-U	Alichorhagiidae-D, U	Syringophilidae-D, U
Rhinonyssidae-D		

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69-cont'd: Dr. J.B. Kethley, Division of Insects, Field Museum of Natural History, Chicago, Illinois, 60605.

EUPODOIDEA	Hydryphantidae-T, T'', D	BOGATOIDEA
Eupodidae-U	Thermacaridae-T	Horreolanidae-T''
Penthaleidae-U	Thyasidae-T, T'', D	ARRENULOIDEA
Penthalodidae-U	LEBERTIOIDEA	Arrenuridae-T, T'', D
Rhagididae-U	Anisitsiellidae-T, T'', D	Hungarohydracaridae-T, T''
LABIDOSTOMMOIDEA	Lebertiidae-T, T''	Acaridei
Labidostommiidae-U	Oxidae-T, T'', D	CANESTRINOIDEA
RAPHIGNATHOIDEA	Pseudohydryphantidae-D	Canestriniidae-U
Cryptognathidae-U	Spherconidae-T, T'', D	Linobiidae-D
Homocaligidae-U	Teutoniidae-T	ACAROIDEA
Neophyllobiidae-U	Torrenticolidae-T, T'', D	Ewingidae-D, U
Raphignathidae-U	HYGROBATOIDEA	Fusacaridae-U
Stigmaeidae-U	Feltriidae-T, T'', D	Glycyphagidae-T'', D
TYDEOIDEA	Hygrobatidae-T, T'', D	Hypoderidae-U
Ereynetidae-T'', D, U	Limnesiidae-T, T'', D	Rosensteiniidae-T, T''
Paratydeidae-U	Pionidae-T, T'', D	LISTROPHOROIDEA
Tydeidae-U	Unionicolidae-T, T'', D	Chirorhynchobiidae-T''
TROMBIDIOIDEA	ATUROIDEA	Listrophoridae (s.s.l.)-D
Trombiculidae-T, T'', D, U	Aturidae-T, T'', D	Mycoptidae-T'', D
Trombidiidae-D, U	Axonopsidae-T, T'', D	PSOROPTOIDEA
*Hydrachnella-T, T'', D, U	MIDEOPSOIDEA	Psoroptidae-T'', D
HYDROVOLZIOIDEA	Mideidae-T	ANALGOIDEA
Hydrovolziidae-T, T''	Mideopsidae-T	Analgidae-U
HYDRACHNOIDEA	Momoniidae-T	Dermoglyphidae-U
Hydrachnidae-T, T'', D	Neoacaridae-T, T''	Epidermoptidae-U
EYLAOIDEA	Nipponacaridae-T''	Freyanidae-U
Eylaidae-T, T'', D	Uchidastygacaridae-T, T''	Proctophyllodidae-T, T'', D
Limnocharidae-T, T''	ACALYPTONOTOIDEA	SARCOPTOIDEA
Piersigiidae-T''	Athienemanniidae-T, T'', D	Knemidocoptidae-U
Protziidae-T, T'', D	Harpagopalpidae-T, T''	Sarcopidae-D
HYDRYPHANTOIDEA	Krendowskiiidae-T	Oribatei-U
Hydrodromidae-T, T'', D	- - - - -	

* = Marshall Collection.

70-Dr. J.B. Kethley, personal collection, Division of Insects, Field Museum of Natural History, Chicago, Illinois 60605.

CHEYLETOIDEA
Syringophilidae-T'', D, U

TYDEOIDEA
Ereynetidae-T'', D

71-Dr. Donald E. Johnston, The Acarology Laboratory, The Ohio State University, 484 W. 12th Avenue, Columbus, Ohio 43210.

Parasitiformes
HOLOTHYRINA
Holothyridae-U
SEJINA
Ichthyostomato-gasteridae-U
Sejidae-U
Uropodellidae-U
GAMASINA
Ascidae-D, U
Germanyssidae (s.s.t.)-D
Digamasellidae-D
Entonyssidae-T''
Epicriidae-D
Eviphididae-D, U
Haemogamasidae-D
Hystrichonyssidae-T''
Ixodorychidae-T''
Laelapidae-D, U
Macrochelidae-D
Macronyssidae-T'', D
Manitheronyssidae-D
Microgyniidae-D
Omentolaelapidae-T''

Otopheidomenidae-T''
Pachylaelapidae-U
Parasitidae-D, U
Parholaspidae-D, U
Phytoseiidae-D
Podocinidae-D
Rhinonyssidae-D
Spelaeorhynchidae-D
Spinturnicidae-D
Veigaiidae-D
Zerconidae-D
UROPODINA-D, U
DIARTHROPHALLINA
/ Diarthrophallidae-D
ANTENNOPHORINA-D, U
IXODIDOIDEA
Nuttalliellidae-D
Endeostigmata
PACHYGNATHOIDEA
Nanorchestidae-D
Pachygnathidae-D
Pediculochelidae-D

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TARSONEMOIDEA
Pyemotidae-D
Tarsonemidae-D
BDELLOIDEA
Bdellidae-D
CAECULOIDEA
Caeculidae-U
CHEYLETOIDEA
Cheyletidae-D
Cloacaridae-D
RAPHIGNATHOIDEA
Tarsocheylidiae-T''
TETRANYCHOIDEA
Tenuipalpidae-D
Tetranychidae-D
TROMBIDIOIDEA
Trombiculidae-T'', D
Trombidiidae-U
Hydrachnella-D
Acaridei
ACAROIDEA
Carpoglyphidae-D
Ewingidae-D, U

71-continued: Dr. Donald E. Johnson, The Acarology Laboratory, The Ohio State University, 484 W. 12th Ave.
Columbus, Ohio 43210.

PSOROPTOIDEA	Malaconothridae-D, U	Otocepheidae-U
Gastronyssidae-T"	Nanhermanniidae-D, U	Rhynchoribatidae-D
Lemurnyssidae-T"	Nothridae-D, U	Suctobelbidae-D, U
Pneumocoptidae-T"	Trhypochthoniidae-D, U	Tenuialidae-D
Pyroglyphidae-D		
Yunkeracaridae-T"		
CYTODITOIDEA		PORONOTICAE
Laminosioptidae-D		LOWER PLICATES
Oribatei-D, U		Ameronothridae-D
PALEACAROIDEA		Charassobatidae-U
Acaronychidae-D		Cymbaeremaeidae-D
Ctenacaridae-D		Fortuyniidae-D
Paleacaridae-D		Podacaridae-D
ENARTHRONOTA		Scutoverticidae-D
Atopochthoniidae-D		Tectocepheidae-D, U
Haplochthoniidae-D		HIGHER PLICATES
Hypochthoniidae-D		Achipteriidae-D, U
Pterochthoniidae-D		Phenopelopidae-D, U
Sphaerochthoniidae-D		Tegoribatidae-D
PROTOPLOPHOROIDEA		APOPHEREDERMES
Protoplrophoridae-U		Oribatellidae-D, U
Mesoplrophoridae-D		EXCENTROSCLEROSAE
PHTHIRACAROIDEA		Haplozetidae-D
Eupthiracaridae-D, U		Mochlozetidae-U
Pthiracaridae-D, U		Neotrichozetidae-D
LOHMANNIOIDEA		Oribatulidae-D, U
Epilohmanniidae-U		Oripodidae-D, U
Eulohmanniidae-D		Parakalummidae-D
Lohmanniidae-U		MACROSCLEROSAE
Perlohmanniidae-U		Ceratozetidae-D, U
NOTHROIDEA		Chamobatidae-D
Camisiidae-D		Euzetidae-D
Hermannidae-D		Galumnidae-D, U
Holonothridae-U		Mycobatidae-D

72-Drs. R.E. Crabbill, Jr., Supervisor-Curator for Myriapoda and Arachnida, and E. Baker, Smithsonian Institution, National Museum of Natural History, Washington, D.C. 20250.

Parasitiformes	Veigaiidae-T	CHEYLETOIDEA
GAMASINA	Zerconidae-U	Cheyletidae-T, D
Ameroseiidae-D, U		Myobiidae-T
Arctacaridae-T", D		Syringophilidae-T"
Ascidae-T, D, U		ERIOPHYOIDEA
Dasyponyssidae-T"	DIARTHROPHALLINA	Eriophyidae-D, U
Dermayssidae (s.st.)-T	Diarthrophallidae-T	EUPODOIDEA
Discozerconidae-T"		Eupodidae-U
Entonyssidae-T"	ANTENNOPHORINA	Penthalodidae-T
Eviphididae-U	Celaenopsidae-U	Rhagidiidae-U
Haemogamasidae-T, D, U	Cercomegistidae-T	HALACAROIDEA
Hystrichonyssidae-T	Diplogyniidae-T	Halacaridae-T"
Ixodorynchidae-T, T"	Euzerconidae-T, U	IOLINOIDEA
Laelapidae-T, D, U	Megisthanidae-D	Ioliniidae-T
Macrochelidae-T	TARSONEMOIDEA	LABIDOSTOMMOIDEA
Macronyssidae-T, D	Podapolipodidae-T"	Labidostommidae-U
Microgyniidae-T	Pyemotidae-D, U	RAPHIGNATHOIDEA
Omentolaelapidae-T"	Scutacaridae-U	Cryptognathidae-U
Otopheidomenidae-T"	Tarsonemidae-T, D	Eupalopsellidae-U
Pachylaelapidae-U		Neophyllobiidae-U
Parasitidae-U	ANYSTOIDEA	Pomerantziidae-T
Parholaspidae-T	Anystidae-U	Raphignathidae-T, U
Phytoseiidae-T, D, U	Pseudoecheylidiae-T	Stigmaeidae-T
Podocinidae-U	Pterygosomidae-T	Tarsocheylidiae-T
Rhinonyssidae-T	Teneriffiidae-U	TETRANYCHOIDEA
Spelaeorhynchidae-T	BDELLOIDEA	Allechaetophoridae-T
Splaturidae-T	Bdellidae-T, D, U	
	Cunaxidae-T, D, U	
	CAECULOIDEA	
	Caeculidae-T", U	

(Continued next page)

72-continued: Drs. R.E. Crabhill, Jr., Supervisor-Curator for Myriapoda and Arachnida, and E. Baker
Smithsonian Institution, National Museum of Natural History, Washington, D.C. 20250.

TETRANYCHOIDEA cont'd.	PSOROPTOIDEA	PLATEREMAEAOIDEA
Linotetranidae-T	Audycoptidae-T"	Gymnodamaeidae-T
Tenuipalpidae-T,D	Gastronyssidae-T"	AMEROBELBOIDEA
Tetranychidae-T,D	Lemurnyssidae-T"	Eremobelbidae-T
Tuckerellidae-T,D	Lobalgidae-T"	UNGROUPIED FAMILIES
TYDEOIDEA	Pneumocoptidae-T	Carabodidae-T
Ereynetidae-T,T"	Pyroglyphidae-T	Cepheidae-T
Nematalycidae-T	Yunkeracaridae-T	Ceratoppiidae-T
Paratydeidae-T	ANALGOIDEA	Damaeidae-T
Tydeidae-T	Turbinoptidae-T	Eutegaeidae-T
ERYTHRAEOIDEA	SARCOPTOIDEA	Liacaridae-T
Eythraeidae-U	Knemidocoptidae-D	Oppiidae-T
Smaridiidae-T	Sarcoptidae-D	Suctobelbidae-T
TROMBIDIOIDEA	Oribatei	Tenuialidae-T
Trombiculidae-T	PALEACAROIDEA	PORONOTICAE
Trombidiidae-T,U	Acaronychidae-T	HIGHER PLICATES
Acaridei	Paleacaridae-T	Achipteriidae-T
ANOETOIDEA	PARHYPOCHTHONIOIDEA	Phenopelopidae-T
Anoetidae-T,U	Gehypochthoniidae-T	Tegoribatidae-T
ACAROIDEA	Parhypochthoniidae-T	APOPHEREDERMES
Acaridae-T,D,U	ENARTHRONOTA	Oribatellidae-T
Carpoglyphidae-D	Brachychthoniidae-T	EXCENTROSCLEROSAE
Chaetodactylidae-D	Heterochthoniidae-T	Haplozetidae-T
Chortoglyphidae-D	PHTHIRACAROIDEA	Oribatulidae-T
Ctenoglyphidae-D	Eupthiracaridae-T	Oripodidae-T
Ewingidae-T	Pthiracaridae-T	Parakalammidae-T
Fusacaridae-T	LOHMANNIOIDEA	MACROSCLEROSAE
Glycyphagidae-D	Epilohmanniidae-T	Ceratozetidae-T
Hyadesiidae-T	NOTHROIDEA	Galumnidae-T
Rosensteiniidae-T	Camisiidae-T	
Saproglyphidae-T	Nothridae-T	

73-Dr. C.F. van de Bund, Plantenziektenkundige Dienst, Wageningen, Netherlands.

Parasitiformes	ANYSTOIDEA	Carpoglyphidae-D
GAMASINA-D,U	Anystidae-D	Chaetodactylidae-D
Ascidae-D	Pterygosomidae-D	Chortoglyphidae-D
Dermanyssidae (s.st.)-D	BDELLOIDEA	Glycyphagidae-D
Entonyssidae-D	Bdellidae-D	Oribatei
Epicriidae-D	Cunaxidae-D,U	ENARTHRONOTA
Eviphidiidae-D	CHEYLETOIDEA	Hypochthoniidae-D
Haemogamasidae-D	Cheyletidae-D	PHTHIRACAROIDEA
Laelapidae-D	ERIOPHYOIDEA	Pthiracaridae-D
Macrochelidae-D	Eriophyidae-D,U	LOHMANNIOIDEA
Macronyssidae-D	EUPODOIDEA	Eulohmanniidae-D
Neoparasitidae-D	Eupodidae-U	NOTHROIDEA
Pachylaelapidae-D	Penthaleidae-D	Camisiidae-D
Parasitidae-D	Rhagidiidae-D,U	Hermannidae-D
Parholaspidae-D	RAPHIGNATHOIDEA	Malaconothridae-D
Phytoseiidae-D	Raphignathidae-D,U	Nanhermannidae-D
Podocinidae-D	TETRANYCHOIDEA	Nothridae-D
Rhodacaridae-D	Tenuipalpidae-D,U	Trhypochthoniidae-D
Veigaiidae-D	Tetranychidae-D	EREMAEAOIDEA
Zerconidae-D	TYDEOIDEA	Eremaeidae-D
UROPODINA-D,U	Tydeidae-D,U	AMEROBELBOIDEA
Endeostigmata	ERYTHRAEOIDEA	Ameridae-D
PACHYGNATHOIDEA	Erythraeidae-D	UNGROUPIED FAMILIES
Alichorhagiidae-D	TROMBIDIOIDEA	Carabodidae-D
Nanorchestidae-U	Trombidiidae-D,U	Liacaridae-D
Pachygnathidae-U	Acaridei	Oppiidae-D
TARSONEMOIDEA	ANOETOIDEA	Suctobelbidae-D,U
Pyemotidae-D,U	Anoetidae-D,U	
Scutacaridae-D,U	ACAROIDEA	
Tarsonemidae-D,U	Acaridae-D	

(Continued next page)

73-continued: Dr. C.F. van de Bund, Plantenziektenkundige Dienst, Wageningen, Netherlands.

PORONOTICAE	EXCENTROSCLEROSAE	Chamobatidae-D
LOWER PLICATES	Oribatulidae-D	Euzetidae-D
Micreremidae-D	MACROSCLEROSAE	Galumnidae-D
Tectocepheidae-D	Ceratozetidae-D	Mycobatidae-D

74-Dr. Z.W. Suski, Instytut Sadownictwa, Skierniewice, ul. Pomologiczna 22, Poland.

Parasitiformes	Tarsonemidae-T,D,U
GAMASINA	TETRANYCHOIDEA
Phytoseiidae-D,U	Tetranychidae-D,U
TARSONEMOIDEA	TYDEOIDEA-
Pyemotidae-D,U	

75-Dr. Hans-Dieter Engelmann, Staatliches Museum für Naturkundel Forschungsstelle, 89 Görlitz, German Democratic Republic.

Oribatei-T,D,U

76-Dr. J.H. de Gunst, Institute for Biological Field Research, Kemperbergerweg 11, Arnhem, Netherlands.

Parasitiformes	Oribatei	Ceratoppiidae-D
GAMASINA	PALEACAROIDEA	Damaeidae-D
Epicriidae-D	Paleacaridae-D	Gustaviidae-D
Eviphididae-D	ENARTHRONOTA	Liacaridae-D
Macrochelidae-D,U	Brachychthoniidae-D,U	Oppiidae-D,U
Parasitidae-D,U	Heterochthoniidae-D	Suctobelbidae-D,U
Rhodacaridae-U	Hypochthoniidae-D	Tenuialidae-D
Spinturnicidae-U	PHTHIRACAROIDEA	Thyrisomidae-D
Veigaiidae-D,U	Eupthiracaridae-D	PORONOTICAE
Zerconidae-D,U	Pthiracaridae-D	LOWER PLICATES
UROPODINA-D,U	LOHMANNIOIDEA	Ameronothridae-D
IXODOIDEA	Eulohmanniidae-D	Cymbaeremaeidae-D
Ixodidae-D	NOTHROIDEA	Licneremaeidae-D
Endeostigmata	Camisiidae-D	Micreremidae-D
PACHYGNATHOIDEA	Hermannidae-D	Scutoverticidae-D
Pachygnathidae-D	Malaconothridae-D	Tectocepheidae-D
TARSONEMOIDEA	Nanhermanniidae-D	HIGHER PLICATES
Scutacaridae-U	Nothridae-D	Achipteriidae-D
Tarsonemidae-U	Trhypochthoniidae-D	APOPHEREDERMES
ANYSTOIDEA	EREMAEOIDEA	Oribatellidae-D
Anystidae-D	Eremaeidae-D	EXCENTROSCLEROSAE
EUPODOIDEA	HERMANIELLOIDEA	Oribatulidae-D
Rhagidiidae-U	Hermannelliidae-D	MACROSCLEROSAE
LABIDOSTOMMOIDEA	UNGROUPED FAMILIES	Ceratozetidae-D
Labidostommidae-D	Carabodidae-D	Chamobatidae-D
TROMBIDIOIDEA	Cepheidae-D	Euzetidae-D
Trombidiidae-U		Galumnidae-D
		Mycobatidae-D

77-Dr. Wit Chmielewski, Laboratory of Acarology, Institute of Plant Protection, Miczurina 20, Poznan, Poland.

GAMASINA-U	Pyemotidae-U	Acaridae-D,U
Macrochelidae-D,U	Scutacaridae-D,U	Carpoglyphidae-D
Parasitidae-U	Tarsonemidae-D,U	Chortoglyphidae-D
Phytoseiidae-D	CHEYLETOIDEA	Ctenoglyphidae-D
UROPODINA-U	Cheyletidae-D	Glycyphagidae-D
TARSONEMOIDEA-U	ACAROIDEA	Oribatei-U

78-Dr. Kirby W. Brown, Entomology Section, Peabody Museum of Natural History, Yale University, New Haven, Connecticut 06520.

Hydrachnella	EYLAOIDEA	HYDRYPHANTOIDEA
HYDRACHNOIDEA	*Eylaidae-D	*Hydryphantidae-T"
*Hydrachnidae-D	*Protziidae-T"	*Hygrobatoidea

- - - - - * = YNIE, Yale North India Expedition of 1932, collected by G.E. Hutchinson,
determined by Lundblad, 1934.

79-Dr. Franz Mihelcic, Laboratorium fur Biologie der Bodetiere, St. Johann i. Walde, 9900 Lienz-Amlach,
Osttirol, Austria.

GAMASINA	NOTHOIDEA	Eremellidae-D
Zerconidae-T,T",D,U	Camisiidae-T",D	Gustaviidae-T",D
ANYSTOIDEA	Hermannidae-T",D	Liacaridae-T,T",D
Anystidae-T,T",D,U	Malacothridae-T",D	Oppiidae-T,T",D
Teneriffidae-T,T"	Nanhermannidae-T,T",D	Peloppiidae-T,T",D
BDELLOIDEA	Nothridae-T,T",D	Suctobelbidae-T,T",D
Bdellidae-T"	Trhypochthoniidae-T,T",D	PORONOTICAE
Cunaxidae-T",D	NEOLIOODOIDEA	LOWER PLICATES
EUPODOIDEA	Neolioididae-T",D	Cymbaeremaeidae-T",D
Rhagidiidae-T,T"	ZETORCHESTOIDEA	Licneremaeidae-T",D
ERYTHRAEOIDEA	Zetorchestidae-D	Micreremidae-T,D
Erythraeidae-T"	EREMAEAOIDEA	Passalozetidae-T,T",D
TROMBIDIOIDEA	Eremaeidae-T,T",D	Scutoverticidae-T,T",D
Johnstonianidae-T,T"	HERMANIELLOIDEA	Tectocepheidae-T,T",D
Trombidiidae-T"	Hermannelliidae-T",D	HIGHER PLICATES
Oribatei	PLATEREMAEAOIDEA	Achipteriidae-T",D
PARHYPOCHTHONIOIDEA	Gymnodamaeidae-T,T",D	Tegoribatidae-T",D
GehyPOCHTHONIIDA	Licnobelbidae-T,T",D	APOPHEREDERMES
ENARTHRONOTA	Licnodamaeidae-T",D	Oribatellidae-T,T",D
Cosmochthoniidae-T,T",D	AMEROBELBOIDEA	EXCENTROSCLEROSAE
Hypochthoniidae-T",D	Ctenobelbidae-T"	Oribatulidae-T,T",D
PHTHIRACAROIDEA	Eremobelbidae-T"	MACROSCLEROSAE
Collohmanniidae-T"	UNGROUPED FAMILIES	Ceratozetidae-T,T",D
Euphthiracaridae-T,T",D,U	Caleremaeidae-T",D	Chamobatidae-T",D
LOHMANNIOIDEA	Carabodidae-T,T",D	Galumnidae-T,T",D
Epilohmanniidae-T"	Cepheidae-T",D	Mycobatidae-T",D
Lohmanniidae-T"	Ceratoppiidae-T",D	
	Damaeidae-T,T"	

80-Dr. Otto Kepka, Zoologisches Institut der Universität Graz, Universitätsplatz 2, A-8010 Graz, Austria.

TROMBIDIOIDEA
Trombiculidae-D,U

81-Dr. R.N. Sinha, Canada Department of Agriculture Research Station, 25 Dafoe Road, Winnipeg 19, Manitoba,
Canada.

Parasitiformes	Tarsonemidae-D	TETRANYCHOIDEA
GAMASINA	BDELLOIDEA	Tetranychidae-T,T",D
Ameroseiidae-D	Bdellidae-D	TYDEOIDEA
Ascidae-D	Cunaxidae-D	Tydeidae-D
Dermanyssidae (s.st.)-D	CHEYLETOIDEA	TROMBIDIOIDEA
Haemogamasidae-D	Cheyletidae-D	Trombiculidae-D
Laelapidae-D	ERIOPHYOIDEA	Acaridei
Macrochelidae-D	Eriophyidae-D	ANOETOIDEA
Parasitidae-D	EUPODOIDEA	Acaroidea
Phytoseiidae-D	Eupodidae-D	Acaridae-D
UROPODINA-D	RAPHIGNATHOIDEA	Carpoglyphidae-D
TARSONEMOIDEA	Raphignathidae-D	Chortoglyphidae-D
Podapolipodidae-D	Stigmeidae-D	Glycyphagidae-D
Pyemotidae-D		Saproglyphidae-D

(Continued next page)

81-continued: Dr. R.N. Sinha, Canada Department of Agriculture Research Station, 25 Dafoe Road, Winnipeg
19, Manitoba, Canada.

PSOROPTOIDEA
Pyroglyphidae-D

Oribatei
ENARTHRONOTA
Cosmochthoniidae-D

NOTHROIODEA
Nothridae-D
UNGROUPED FAMILIES
Carabododae-D

82-Dr. Jan Vanek, Czechoslovak Academy of Sciences, Institute for Landscape Formation and Protection,
Ricany II, Bezrucova 927, Czechoslovakia.

Parasitiformes

GAMASINA-U

UROPODINA-U

IXODOIDEA-U

CHEYLETOIDEA-U

LABIDOSTOMMOIDEA-U

TETRANYCHOIDEA-U

Acaridei

ACAROIDEA

Glycyphagidae-U

PSOROPTOIDEA

Psoroptidae-D, U

Oribatei-D, U

PALEACAROIDEA-U

Paleacaridae-D, U

PARHYPOCHTHONIOIDEA-U

Parhypochthoniidae-D, U

ENARTHRONOTA-U

Brachychthoniidae-D, U

Cosmochthoniidae-D

Hypochthoniidae-D, U

MESOPLOPHOROIDEA-U

Mesoplophoridae-D, U

PHTHIRACAROIDEA -U

Collohamanniidae-D

Euphthiracaridae-D, U

Phthiracaridae-D, U

LOHMANNIOIDEA

Eulohmanniidae-D

Lohmanniidae-T

Perlohmanniidae-D

NOTHROIODEA-U

Camisiidae-D, U

Hermannidae-D, U

Malaconothridae-D, U

Nanhermanniidae-D, U

Nothridae-D, U

Trhypochthoniidae-D, U

PYCNONOTICAE-U

NEOLIODOIDEA

Neolioididae-D, U

ZETORCHESTOIDEA

Zetorchestidae-D, U

EREMAOIDEA

Eremaeidae-D, U

HERMANIELLOIDEA-U

Hermannellidae-D, U

PLATEREMAEOIDEA-U

Gymnodamaeidae-D, U

Licnobelbidae-D, U

Licnodamaeidae-D, U

Plateremaeidae-D, U

AMEROBELBOIDEA-U

Ameridae-D, U

Amerobelbidae-U

Ctenobelbidae-D, U

Eremulidae-D, U

UNGROUPED FAMILIES

Astegistidae-D, U

Autogentidae-D, U

Caleremaeidae-D, U

Carabodidae-D, U

Cepheidae-D, U

Ceratoppiidae-D, U

Damaeidae-D, U

Eremellidae-D, U

Eutegaeidae-D, U

Gustaviidae-D, U

Hydrozetidae-D, U

Liacaridae-D, U

Limnozetidae-D, U

Microzetidae-U

Niphocopehidae-D, U

Oppidae-D, U

Peloppiidae-D, U

Suctobelbidae-D, U

Thyrisomidae-D, U

PORONOTICAE-U

LOWER PLICATES-U

Ameronothridae-D, U

Cymbaeremaeidae-D, U

Licneremaeidae-D, U

Micreremidae-D, U

Passalozetidae-T, D, U

Scutoverticidae-D, U

Tectocepheidae-T, D, U

HIGHER PLICATES-U

Achipteriidae-D, U

Phenopelopidae-D, U

Tegoribatidae-D, U

APOPHEREDERMES

Oribatellidae-D, U

EXCENTROSCLEROSAE-U

Oribatulidae-D, U

MACROSCLEROSAE-U

Ceratozetidae-D, U

Chamobatidae-D, U

Euzetidae-D, U

Galumnidae-D, U

Mycobatidae-D, U

83-Dr. Edmund L. Seyd, Manchester Museum, University of Manchester, Manchester 13, England.

Parasitiformes

SEJINA

*Sejidae-D

GAMASINA

*Dermyssidae (s.st.)-D

*Haemogamasidae-D

*Halarachnidae-D

*Laelapidae-D

*Macrochelidae-D

*Macronyssidae-D

*Pachylaelapidae-D

*Parasitidae-D

*Spinturnicidae-D

*Veigaiidae-D

*Zerconidae-D

UROPODINA-D

ANTENNOPHORINA

*Celaenopsidae-D

IXODOIDEA

*Argasidae-D

*Ixodidae-D

Endeostigmata

TARSONEMOIDEA

*Pyemotidae-D

*Scutacaridae-D

*Tarsonemidae-D

ANYSTOIDEA

*Anystidae-D

BDELLOIDEA

*Bdellidae-D

CHEYLETOIDEA

*Cheyletidae-D

*Demodicidae-D

*Myobiidae-D

*Psorergatidae-D

*Syringophilidae-D

ERIOPHYOIDEA

*Eriophyidae-D

EUPODOIDEA

*Eupodidae-D

RAPHIGNATHOIDEA

*Stigmaeidae-D

TETRANYCHOIDEA

*Tetranychidae-D

TYDEOIDEA

*Ereynetidae-D

*Tydeidae-D

ERYTHRAEOIDEA

*Calyptostomidae-D

*Erythraeidae-D

*Smaridiidae-D

TROMBIDIOIDEA

*Johnstonianidae-D

(Continued next page)

83-continued: Dr. Edmund L. Seyd, Manchester Museum, University of Manchester, Manchester 13, England.

- *Trombiculidae-D
- *Trombidiidae-D
- Hydrachnellaee
- HYDRACHNOIDEA
- *Hydrachnidiae-D
- EYLAOIDEA
- *Eylaidae-D
- *Piersigiidae-D
- *Protziidae-D
- HYDRYPHANTOIDEA
- *Hydryphantidae-D
- *Thyasidae-D
- LEBERTIOIDEA
- *Lebertiidae-D
- *Oxidae-D
- *Sperchonidae-D
- HYGROBATOIDEA
- *Hygrobatidae-D
- *Limnesiidae-D
- *Pionidae-D
- *Unionicolidae-D
- ARRENUROIDEA
- *Arrenuridae-D
- Acaridei
- ANOETOIDEA
- *Anoetidae-D
- ACAROIDEA
- *Acaridae-D
- *Carpoglyphidae-D
- *Chaetodactylidae-D
- *Chortoglyphidae-D
- *Ctenoglyphidae-D
- *Fusacaridae-D
- *Glycyphagidae-D
- *Labidophoridae-D
- *Saproglaphidae-D
- LISTROPHOROIDEA
- *Listrophoridae (s.s.l.)-D
- *Myocoptidae-D
- PSOROPTOIDEA
- *Psoroptidae-D
- ANALGOIDEA
- *Analgidae-D
- *Epidermoptidae-D
- *Freyanidae-D
- *Proctophyllloididae-D
- SARCOPTOIDEA
- *Knemidocoptidae-D
- *Sarcoptidae-D
- CYTODITOIDEA
- *Cytoditidae-D
- Oribatei
- ENARTHRONOTA
- *Brachychthoniidae-D
- *Hypochthoniidae-D
- PTHIRACAROIDEA
- *Euphthiracaridae-D
- *Phthiracaridae-D
- NOTHROIDEA
- *Camisiidae-D
- *Hermannidae-D
- *Malacothridae-D
- *Nanhermannidae-D
- *Nothridae-D
- NEOLIODOIDEA
- *Neolioididae-D
- EREMAEAOIDEA
- *Eremaeidae-D
- UNGROUPED FAMILIES
- *Carabodidae-D
- *Cepheidae-D
- *Ceratoppiidae-D
- *Gustaviidae-D
- *Hydrozetidae-D
- *Liacaridae-D
- *Oppiidae-D
- *Peloppiidae-D
- *Thyrisomidae-D
- PORONOTICAE
- LOWER PLICATES
- *Cymbaeremaeidae-D
- *Micreremidae-D
- *Scutoverticidae-D
- *Tectocepheidae-D
- HIGHER PLICATES
- *Achipteriidae-D
- APOPHEREDERMES
- *Oribatellidae-D
- EXCENTROSCLEROSAE
- *Oribatulidae-D
- MACROSCLEROSAE
- *Chamobatidae-D
- *Euzetidae-D

* = Britten Collection.

84-Dr. K. M. Jack, 40 Grosvenor Close, Four Oaks, Sutton Coldfield, Warwickshire, England.

- ANYSTOIDEA
- Pterygosomidae-T,T'',D,U
- TROMBIDIOIDEA
- Trombiculidae-U

85-Dr. Yves Coineau, Centre d'Ecologie Méditerranéenne du Mas de la Serre, Laboratoire Arago, 66 Banyuls-Sur-Mer, France.

- | | |
|--------------------------|-----------------------|
| CAECULOIDEA | RAPHIGNATHOIDEA |
| Caeculidae-T,T'',D | Cryptognathidae-D |
| LABIDOSTOMMOIDEA | TYDEOIDEA |
| Labidostommiidae-T,T'',D | Nematalycidae-T,T'',D |

86-Dr. Joseph Trave, Laboratoire Arago, 66 Banyuls-sur-Mer, France.

- HALACAROIDEA-T,T'',D,U
- Oribatei-T,T'',D,U

87-Dr. Ludwig Beck, Institut für Allgemeine Zoologie der Ruhr-Universität, 463 Bochum Buscheystrasser, Geb. ND, Postfach 2148, Germany.

- | | | |
|-----------------|----------------------|----------------------|
| Oribatei | PARHYPOCHTHONIOIDEA | ENARTHRONOTA |
| PALEACAROIDEA | Parhypochthoniidae-D | Brachychthoniidae-D |
| Acaronychidae-D | | Cosmochthoniidae-D,U |
| Ctenacaridae-D | | Haplochthoniidae-U |

(Continued next page)

87-Dr. Ludwig Beck, Institut für Allgemeine Zoologie der Ruhr-Universität, 463 Bochum Buscheystrasser,
Geb. ND, Postfach 2148, Germany.

Hypochthoniidae-D,U	HERMANIELLOIDEA	Otocepheidae-U
Sphaerochthoniidae-U	Hermannelliidae-U	Rhynchoribatidae-D,U
MESOPLOPHOROIDEA	Plasmobatidae-U	PORONOTICAE
Mesoplophoridae-U	PLATEREMAEOIDEA	LOWER PLICATES
PHTHIRACAROIDEA	Gymnodamaeidae-U	Charassobatidae-U
Euphthiracaridae-U	Licnodamaeidae-U	Licneremaeidae-U
Pthiracaridae-U	Plateremaeidae-U	Tectocepheidae-U
LOHMANNIOIDEA	AMEROBELBOIDEA	HIGHER PLICATES
Epilohmanniidae-U	Ctenobelbidae-U	Achipteriidae-U
Eulohmanniidae-U	Eremobelbidae-U	APOPHEREDERMES
Lohmanniidae-D,U	Eremulidae-U	Oribatellidae-U
NOTHROIDEA	UNGROUPIED FAMILIES	EXCENTROSCLEROSAE
Camisiidae-U	Cerabodidae-U	Haplozetidae-D,U
Malaconothridae-D,U	Cepheidae-U	Mochlozetidae-U
Nanhermanniidae-U	Ceratoppiidae-U	Oribatulidae-U
Nothridae-D,U	Damaeidae-U	Parakalummidae-D,U
Trhypochthoniidae-U	Dampfiellidae-D,U	MACROSCLEROSAE
NEOLIODOIDEA	Heterobelbidae-D,U	Ceratozetidae-U
Neolioididae-U	Microzetidae-U	Galumnidae-U
EREMAEAOIDEA	Oppiidae-U	UNGROUPIED FAMILIES
Eremaeidae-U		Epactozetidae-D,U

88-Dr. Eyr, Director and Dr. W. Karg, Biologische Zentralanstalt Berlin, Institut für Pflanzenschutz
forchung, DDR-1532 Kleinmachnow, Stahnsdorfer Damm 81, Deutsche Demokratische Republik.

Parasitiformes	Haemogamasidae-D	Rhodacaridae-T,T",D
SEJINA	Halolaelapidae-T,T",D	Veigaiidae-T,T",D
Sejidae-D	Laelapidae-T,T",D	Zerconidae-T,T",D
GAMASINA	Macrochelidae-T,T",D	TARSONEMOIDEA
Ameroseiidae-T,T",D	Macronyssidae-D	Tarsonemidae-D
Arctacaridae-D	Neoparasitidae-D	Acaridei
Ascidae-T,T",D	Pachylaelapidae-D	ACAROIDEA
Dermanyssidae (s.st.)-D	Parasitidae-T,T",D	Acaridae-T,T",D
Digamasellidae-D	Parholaspidae-T,T",D	Carpoglyphidae-D
Epicriidae-D	Phytoseiidae-T,T",D	Glycyphagidae-D
Eviphididae-T,T",D		PSOROPTOIDEA
		Pyroglyphidae-D

89-Dr. M. Moritz, Museum für Naturkunde der Humboldt-Universität zu Berlin, Zoologisches Museum, DDR-104
Berlin, Invalidenstrasse 43, Deutsche Demokratische Republik.

Parasitiformes	EYLAOIDEA	6*Teutoniidae-T,D
GAMASINA	6*Eylaidea-T,D	6*Torrenticolidae-T,D
1*Halarachnidae-T	6*Limnocharidae-T,D	HYGROBATOIDEA
2,3,4,5*IXODOIDEA	HYDRYPHANTOIDEA	6*Feltriidae-T,D
Argasidae-T,D	6*Hydrodromidae-T,D	6*Hygrobatidae-T,D
Ixodidae-T,D	6*Hydryphantidae-T,D	6*Limnesiidae-T,D
HALACAROIDEA	6*Thyasidae-T,D	6*Pionidae-T,D
1*Halacaridae-T,D	LEBETRIOIDEA	6*Unionicolidae-T,D
6*Hydrachnella	6*Lebertiidae-T,D	ATUROIDEA
HYDRACHNAE	6*Oxidae-T,D	6*Axonopsidae-T,D
6*Hydrachnidae-T,D	6*Sperchonidae-T,D	ARRENUROIDEA
- - - - -		6*Arrenuridae-T,D

1* = Lohman Collection.
2* = Schulze Collection.
3* = Dönnitz Collection.

4* = C.L. Koch Collection.
5* = Karsch Collection.
6* = Koenike Collection.

90-Dr. Dietrich Teschner, Zoologisches Institut der Technischen Universität Carolo-Wihelmina, Pockelstrasse 10a, 33 Braunschweig, Germany.

HALACAROIDEA
Halacaridae-D,U

91-Dr. Anita Hoffmann-Sandoval, Facultad de Ciencias, Universidad Nacional Autónoma de México, México 20, D.F., México

Parasitiformes	TARSONEMOIDEA	ERYTHRHAEOIDEA
SEJINA	Pyemotidae-U	Erythraeidae-T, U
Uropodellidae-U	Tarsonemidae-D	Smaridiidae-U
GAMASINA-U	ANYSTOIDEA	TROMBIDIOIDEA
Ascidae-U	Anystidae-U	Trombiculidae-T, T'', D, U
Dermanyssidae (s.st.)-D	Pterygosomidae-D, U	Trombidiidae-D, U
Haemogamasidae-D, U	BDELLOIDEA	Hydrachnellae-U
Halarachnidae-D	Bdellidae-D, U	Acaridei-U
Laelapidae-T, T'', D, U	Cunaxidae-T'', D, U	ANOETOIDEA
Macrochelidae-T, T'', D, U	CHEYLETOIDEA	Anoetidae-D
Macronyssidae-D, U	Cheyletidae-T, D, U	ACAROIDEA
Parasitidae-D, U	Demodicidae-D	Acaridae-T'', D, U
Rhinonyssidae-D, U	Myobiidae-T, D, U	Glycyphagidae-U
Spelaeorhynchidae-D	ERIOPHYOIDEA	LISTROPHOROIDEA
Spinturnicidae-T, D, U	Eriophyidae-D, U	Listrophoridae (s.sl.)-U
Zerconidae-U	EUPODOIDEA	Myocoptidae-D
UROPODINA-D, U	Eupodidae-U	PSOROPTOIDEA
ANTENNOPHORINA-U	Penthaleidae-T'', D	Psoroptidae-D
Diplogyniidae-T, T'', D, U	Rhagidiidae-D	ANALGOIDEA
Euzerconidae-U	LABIDOSTOMMOIDEA	Analgidae-U
Klinckostroemiidae-U	Labidostommidae-D, U	Proctophyllodidae-U
Megisthanidae-D	RAPHIGNATHOIDEA	SARCOPTOIDEA
IXODOIDEA	Raphignathidae-D, U	Sarcoptidae-D
Argasidae-T, D, U	TETRANYCHOIDEA	CYTODITOIDEA
Ixodidae-T'', D, U	Tetranychidae-D, U	Laminosioptidae-D
Prostigmata-U	TYDEOIDEA	Oribatei-U
PACHYGNATHOIDEA	Ereynetidae-D	PHTHIRACAROIDEA
Pediculochelidae-U	Tydeidae-T'', D, U	Phthiracaridae-U
		UNGROUPIED FAMILIES
		Carabodidae-U

92-Dr. Carl Bader, Naturhistorisches Museum, CH-4051 Augustinergasse 2, Basel, Switzerland.

1*Mesostigmata	EUPODOIDEA	Piersigiidae-D
SEJINA	Eupodidae-T, D	Protziidae-T, D
Uropodellidae-T, D	Penthalodidae-T, D	HYDRYPHANTOIDEA
GAMASINA	Rhagidiidae-T, D, U	Hydrodromidae-T, D
Dermanyssidae (s.st.)-D	LABIDOSTOMMOIDEA	Hydryphantidae-T, D
Epicriidae-T, D	Labidostommidae-D	Thyasidae-T, D
Eviphididae-T, D	RAPHIGNATHOIDEA	LEBERTIOIDEA
Laelapidae-D	Raphignathidae-D	Lebertiidae-T, D
Macrochelidae-D	Stigmaeidae-D	Oxidae-D
Neoparasitidae-T, D	TETRANYCHOIDEA	Sperchonidae-T, D
Pachylaelapidae-T, D	Tetranychidae-D, U	Teutoniidae-D
Parasitidae-T, D	TYDEOIDEA	Torrenticolidae-T, D
Phytoseiidae-T, D	Ereynetidae-D	HYGROBATOIDEA
Rhodacaridae-T, D	Tydeidae-D	Feltriidae-T, D
Veigaiidae-T, D	ERYTHRHAEOIDEA	Hygrobatidae-T, D
Zerconidae-T, D	Calyptostomidae-D	Limnesiidae-T, D
ANTENNOPHORINA	Erythraeidae-T, D, U	Pionidae-T, D
Fedrizziidae-D	Smaridiidae-D	Pontarachnidae-T, D
1*Prostigmata	TROMBIDIOIDEA	Unionicolidae-T, D
TARSONEMOIDEA	Johnstonianidae-T, D	ATUROIDEA
Pyemotidae-D	Trombiculidae-D	Aturidae-T, D
Scutacaridae-T, D	Trombidiidae-T, D, U	Axonopsidae-T, D
Tarsonemidae-D	2*Hydrachnellae	MIDEOPSOIDEA
ANYSTOIDEA	HYDROVOLZIOIDEA	Mideidae-D
Anystidae-D, U	Hydrovolziidae-T, D	Mideopsidae-D
Teneriffiidae-D	HYDRACHNOIDEA	Momoniidae-D
BDELLOIDEA	Hydrachnidae-T, D	Neoacaridae-D
Bdellidae-T, D, U	EYLAOIDEA	ACALYPTONOTOIDEA
Cunaxidae-D, U	Eylaidae-T, D	Acalyptonotidae-D
CAECULOIDEA	Limnocharidae-D	Athienemannidae-D
Caeculidae-D		ARRENUROIDEA
		Arrenuridae-T, D

(Continued next page)

92-continued: Dr. Carl Bader, Naturhistorisches Museum, CH-4051 Augustinergasse 2, Basel, Switzerland.

Acaridei	Nothridae-D	PORONOTICAE
ACAROIDEA-D	Trhypochthoniidae-T,D	LOWER PLICATES
ANALGOIDEA-T",D	EREMAEAOIDEA	Cymbaeremaeidae-T,D
SARCOPTOIDEA	Eremaeidae-D	Passalozetidae-D
1*Oribatei	PLATEREMAEAOIDEA	Scutoverticidae-D
PARHYPOCHTHONIOIDEA	Gymnodamaeidae-D	Tectocepheidae-D
Parhypochthoniidae-T,D	AMEROBELBOIDEA-T,D	HIGHER PLICATES
ENARTHRONOTA	Eremobelbidae-D	Achipteriidae-T,D
Brachychthoniidae-T,D	UNGROUPIED FAMILIES	APOPHEREDERMES
Hypochthoniidae-T,D	Caleremaeidae-D	Oribatellidae-D
PHTHIRACAROIDEA	Carabodidae-D	EXCENTROSCLEROSAE
Phthiracaridae-D	Cepheidae-T,D	Haplozetidae-D
LOHMANNIOIDEA	Ceratoppiidae-D	Oribatulidae-T,D
Eulohmanniidae-D	Liacaridae-T,D	MACROSCLEROSAE
NOTHROIDEA	Limnozetidae-D	Ceratozetidae-T,D
Camisiidae-D	Oppidae-D	Chamobatidae-D
Hermannidae-D	Otocepheidae-D	Galumnidae-D
Malaconothridae-D	Suctobelbidae-D	Mycobatidae-T,D
Nanhermannidae-D		

*1 = J. Schweizer.

*2 = C. Walter.

93-Dr. Bernd Hauser, Department des Arthropodes, Museum d'Histoire Naturelle, CH-1211 Geneve 6, Switzerland.

Parasitiformes	Scutacaridae-T,T",D	CANESTRINOIDEA
GAMASINA-D	Hydrachnella-D	Canestriniidae-D
UROPODINA	Acaridei	ACAROIDEA
IXODOIDEA-D	ANOETOIDEA	Acaridae-T,T",D
TARSONEMOIDEA	Anoetidae-T,T",D	Oribatei-T",D
Pyemotidae-T,T",D		

94-Dr. Donald M. Tuttle, University of Arizona, Yuma Branch Station, R.F.D. 1, Box 587, Yuma, Arizona 85364.

Parasitiformes	TARSONEMOIDEA	TETRANYCHOIDEA
SEJINA	Podapolipodidae-U	Tenuipalpidae-D
Uropodellidae-U	Pyemotidae-U	Tetranychidae-D
GAMASINA	Scutacaridae-U	Tuckerellidae-D
Ameroseiidae-U	Tarsonemidae-U	TYDEOIDEA
Ascidae-D,U	ANYSTOIDEA	.Ereynetidae-U
Germanyssidae (s.st.)-D,U	Anystidae-U	Nematalycidae-D
Haemogamasidae-U	Heterocheylidae-U	Tydeidae-U
Ixodorrhynchidae-U	Pseudocheylidae-U	ERYTHRAEOIDEA
Laelapidae-D,U	BDELLIOIDEA	Erythraeidae-U
Macrochelidae-D	Bdellidae-D,U	Smaridiidae-D
Macronyssidae-D	Cunaxidae-D,U	TROMBIDIOIDEA
Parasitidae-U	CAECULOIDEA	Trombiculidae-U
Phytoseiidae-D	Caeculidae-U	Trombidiidae-U
Veigaiidae-U	CHEYLETOIDEA	Acaridei
Zerconidae-U	Cheyletidae-D,U	ANOETOIDEA
DIARTHROPHALLINA	Cloacaridae-D	Anoetidae-D,U
Diarthrophallidae-U	ERIOPHYOIDEA	ACAROIDEA
ANTENNOPHORINA	Eriophyidae-D	Acaridae-D,U
Celaenopsidae-U	EUPODOIDEA	Carpoglyphidae-U
Euzerconidae-U	Eupodidae-U	Glycyphagidae-U
Megisthanidae-U	Penthaleidae-D	NOTHROIDEA
IXODIODEA	Penthalodidae-D	Camisiidae-U
Argasidae-D	Rhagidiidae-U	Hermannidae-U
Ixodidae-D	RAPHIGNATHOIDEA	APOPHEREDERMES
Endeostigmata	Caligonellidae-D,U	Oribatellidae-U
PACHYGNATHOIDEA	Eupalopsellidae-D	EXCENTROSCLEROSAE
Nanorchestidae-U	Neophyllobiidae-U	Oribatulidae-U
Pachygnathidae-U	Stigmaeidae-D,U	MACROSCLEROSAE
		Galumnidae-U

95-Dr. Tyler A. Woolley, Department of Zoology, Colorado State University, Fort Collins, Colorado 80521.

Parasitiformes	Raphignathidae-D, U	Hermannidae-D, U
SEJINA	Stigmaeidae-D, U	Malaconothridae-D, U
Sejidae-U	TETRANYCHOIDEA	Nanhermannidae-T", D, U
GAMASINA	Tetranychidae-D, U	Nothridae-T", D, U
Ascidae-T", U	Tuckerellidae-U	NEOLIODOIDEA
Haemogamasidae-D	TYDEOIDEA	Neolioididae-T", D, U
Ixodorrhynchidae-D	Erenyetidae-U	EREMAEOIDEA
Laelapidae-D	Tydeidae-U	Eremaeidae-T", D, U
Macrochelidae-D	ERYTHRAEOIDEA	HERMANIELLOIDEA
Parasitidae-D, U	Calyptostomidae-U	Hermannielidae-T", D, U
Parholaspidae-D, U	Erythraeidae-U	PLATEREMAEAOIDEA
Phytoseiidae-D, U	Smaridiidae-U	Gymnodamaeidae-T", D, U
Rhinonyssidae-D, U	TROMBIDIOIDEA	Licnodamaeidae-T", D, U
Spinturnicidae-D, U	Trombiculidae-U	AMEROBELBOIDEA
Veigaiidae-D, U	Trombidiidae-U	Eremobelbidae-D, U
Zerconidae-D, U	Acaridei	Eremulidae-D, U
UROPODINA-D, U	ANOETOIDEA	UNGROUPIED FAMILIES
ANTENNOPHORINA	Anoetidae-U	Astegistidae-D, U
Diplogyniidae-U	ACAROIDEA	Autogentidae-D, U
IXODOIDEA	Acaridae-U	Carabodidae-D, U
Ixodidae-D, U	Carpoglyphidae-U	Cepheidae-D, U
Endeostigmata	Glycyphagidae-U	Ceratoppiidae-D, U
PACHYGNATHOIDEA	Hyadesiidae-U	Damaeidae-D, U
Lordalychidae-U	LISTROPHOROIDEA	Eutegaeidae-T", D, U
TARSONEMOIDEA	Listrophoridae (s.s.l.)-U	Gustaviidae-T", D, U
Pyemotidae-T", D	PSOROPTOIDEA	Hydrozetidae-T", D, U
Tarsonemidae-T", D	Psoroptidae-U	Liacaridae-T", D, U
ANYSTOIDEA	ANALGOIDEA	Microzetidae-T", D, U
Anystidae-U	Analgidae-U	Oppiidae-T", D, U
Pterygosomidae-U	Proctophyllodidae-U	Peloppiidae-D, U
BDELLOIDEA	SARCOPTOIDEA	Suctobelbidae-T", D, U
Bdellidae-D, U	Knemidocoptidae-U	Tenuialidae-T", D, U
Cunaxidae-D	Sarcoptidae-U	PORONOTICAE
CAECULOIDEA	Oribatei	LOWER PLICATES
Caeculidae-U	PALEACAROIDEA	Ameronothridae-T", D, U
CHEYLETOIDEA	Acaronychidae-D	Charassobatidae-T", D, U
Cheyletidae-D, U	ENARTHRONOTA	Cymbaeremaiaeidae-T", D, U
Demodicidae-U	Brachychthoniidae-U	Passalozetidae-T", D, U
Harpyrhynchidae-U	Hypochthoniidae-D, U	Tectocepheidae-T", D, U
Myobiidae-D, U	Sphaerochthoniidae-D	HIGHER PLICATES
Syringophilidae-D, U	MESOPLOPHOROIDEA	Achipteriidae-T", D, U
ERIOPHYOIDEA	Mesoplophoridae-D, U	Tegoribatidae-T", D, U
Eriophyidae-D, U	PHTHIRACAROIDEA	APOPHEREDERMES
EUPODOIDEA	Collohmanniidae-D, U	Oribatellidae-T", D, U
Eupodidae-U	Euphthiracaridae-T", D, U	EXCENTROSCLEROSAE
Rhagidiidae-U	Phthiracaridae-T", D, U	Haplozetidae-D, U
HALACAROIDEA	LOHMANNIOIDEA	Oribatulidae-T", D, U
Halacridae-D, U	Epilohmanniidae-D, U	Oripodidae-T", D, U
LABIDOSTOMMOIDEA	Eulohmanniidae-D, U	MACROSCLEROSAE
Labidostommidae-U	Lohmanniidae-D, U	Ceratozetidae-D, U
RAPHIGNATHOIDEA	Perlohmanniidae-D, U	Euzetidae-D, U
Caligonellidae-U	NOTHROIDEA	Galumnidae-D, U
Cryptognathidae-U	Camisiidae-T", D, U	

96-Dr. P. H. Vercammen-Grandjean, Research Parasitologist, 2062 20th Avenue, San Francisco, California, 94116.

ERYTHRAEOIDEA	Calyptostomidae-D, U
	Erythraeidae-D, U
	Smaridiidae-D, U
TROMBIDIOIDEA	
	Trombiculidae-D, U
	Trombidiidae-D, U

97-Drs. F.M. Summers, M. Lavoipierre, E.W. Jameson, Jr., and Mr. R.O. Schuster, Department of Entomology,
University of California, Davis, California 95616.

Parasitiformes	BDELLOIDEA	PSOROPTOIDEA
Mesostigmata-U	Bdellidae-D,U	Audycoptidae-T
SEJINA	Cunaxidae-D,U	Psoroptidae-D
Sejidae-U	CAECULOIDEA	Pyroglyphidae-U
GAMASINA	Caeculidae-U	ANALGOIDEA
Ascidae-D,U	CHEYLETOIDEA	Analgidae-U
Dermanyssidae (s.st.)-T",D,U	Cheyletidae-T,T",D,U	Proctophyllodidae-U
Digamasellidae-D,U	Myobiidae-T",D,U	SARCOPTOIDEA
Epicriidae-U	Syringophilidae-D	Knemidocoptidae-T",D
Eviphididae-D,U	ERIOPHYOIDEA	Sarcoptidae-T,T",D
Haemogamasidae-T",D,U	Eriophyidae-D,U	CYTODITOIDEA
Laelapidae-T,T",D,U	EUPODOIDEA	Cytoditidae-D
Macrochelidae-D,U	Eupodidae-U	Oribatei-U
Macronyssidae-T",D	Penthaleidae-D,U	PALEACAROIDEA-U
Neoparasitidae-D,U	Penthalodidae-D	ENARTHRONOTA
Pachylaelapidae-U	Rhagidiidae-U	Brachychthoniidae-D,U
Parasitidae-D,U	LABIDOSTOMMOIDEA	Hypochthoniidae-U
Parholaspidae-U	Labidostommiidae-D,U	PHTHIRACAROIDEA
Phytoseiidae-T,T",D,U	RAPHIGNATHOIDEA	Phthiracaridae-U
Podocinidae-D,U	Caligonellidae-T",D,U	LOHMANNIOIDEA
Rhodacaridae-T,T",D,U	Cryptognathidae-T,T",D,U	Epilohmanniidae-U
Spinturnicidae-T",D,U	Eupalopsellidae-T,T",D	Eulohmanniidae-U
Veigaiidae-D,U	Pomerantziidae-U	Lohmanniidae-U
Zerconidae-U	Raphignathidae-D,U	NOTHROIODEA
UROPODINA-U	Stigmaeidae-T,T",D,U	Camisiidae-U
DIARTHROPHALLINA	Tarsocheylidae-U	Hermanniiidae-D,U
Diarthrophallidae-D,U	TETRANYCHOIDEA	Malaconothridae-U
ANTENNOPHORINA-U	Tenuipalpidae-T",D,U	Nanhermanniidae-U
Antennophoridae-U	Tetranychidae-T",D,U	Nothridae-U
Celaenopsidae-U	TYDEOIDEA	NEOLIODOIDEA
Cercomegistidae-U	Ereynetidae-U	Neolioididae-U
Diplogyniidae-U	Paratydeidae-U	EREMAEOIDEA
Euzerconidae-U	Tydeidae-D,U	Eremaeidae-U
Hoplomegistidae-U	ERYTHRAEOIDEA	HERMANIELLOIDEA
Megisthanidae-U	Erythraeidae-U	Hermannellidae-D,U
Paramegistidae-U	Smaridiidae-U	PLATEREMAEOIDEA
Schizogyniidae-U	TROMBIDIOIDEA	Plateremaeidae-U
IXODOIDEA	Johnstonianidae-U	UNGROUPED FAMILIES
Argasidae-D,U	Trombiculidae-D,U	Carabodidae-D,U
Ixodidae-D,U	Trombidiidae-D,U	Ceratoppiidae-D
Endoostigmata	Hydrachnella-U	Damaeidae-U
PACHYGNATHOIDEA	HYDRYPHANTOIDEA	Gustaviidae-U
Alichorhagiidae-U	Clathrospherconidae-U	Liacaridae-U
Nanorchestidae-U	HYGROBATOIDEA	Peloppiidae-U
Pachygnathidae-U	Limnesiidae-U	Tenuialidae-D,U
Pediculochelidae-U	Unionicolidae-U	PORONOTICAE
Terpnacaridae-U	ACARIDEI	LOWER PLICATES
TARSONEMOIDEA	ANOETOIDEA	Cymbaeeremaeidae-U
Podapolipodidae-D	Anoetidae-D,U	EXCENTROSCLEROSAE
Pyemotidae-D,U	CANESTRINOIDEA	Haplozetidae-U
Scutacaridae-D,U	Canestriniidae-T",U	Oribatulidae-U
Tarsonemidae-D,U	ACAROIDEA	Parakalummidae-U
ANYSTOIDEA	Acaridae-D,U	MACROSCLEROSAE
Anystidae-U	Chortoglyphidae-D	Ceratozetidae-U
Heterocheylidae-T,T",D,U	Glycyphagidae-D,U	Galumnidae-U
Pseudocheylidae-D,U	Hyadesiidae-U	
Pterygosomidae-T",D,U	Saproglyphidae-D,U	
Teneriffiidae-U	LISTROPHOROIDEA	
	Listrophoridae (s.sl.)-D,U	

98-Dr. Lewis J. Stannard, Illinois Natural History Survey, Natural Resources Building, Urbana, Illinois.

Opilioacariformes	Parasitiformes	Haemogamasidae-D,U
Opilioacaridae-U	GAMASINA	Laelapidae-D,U

(Continued next page)

98-continued: Dr. Lewis J. Stannard, Illinois Natural History Survey, Natural Resources Building, Urbana, Illinois 61801.

GAMASINA cont'd.	RAPHIGNATHOIDEA	ACAROIDEA
Neoparasitidae-U	Caligonellidae-U	Acaridae-D, U
Parasitidae-D, U	Raphignathidae-U	Carpoglyphidae-D, U
Phytoseiidae-D, U	Stigmaeidae-D, U	Fusacaridae-D, U
Podocinidae-U	TETRANYCHOIDEA	Glycyphagidae-D, U
Rhinonyssidae-D, U	Tetranychidae-D, U	LISTROPHOROIDEA
Spinturnicidae-D, U	Tuckerellidae-D, U	Listrophoridae (s.s.l.)-U
Zerconidae-U	TYDEOIDEA	PSOROPTOIDEA
UROPODINA-U	Ereynetidae-U	Psoroptidae-D, U
ANTENNOPHORINA-U	Tydeidae-U	ANALGOIDEA
IXODOIDEA	ERYTHRAEOIDEA	Analgidae-D, U
Argasidae-D	Erythraeidae-U	Dermoglyphidae-D, U
Ixodidae-D	Smaridiidae-U	Proctophyllodidae-D, U
Endeostigmata	TROMBIDIOIDEA	SARCOPTOIDEA
PACHYGNATHOIDEA-U	Trombiculidae-D, U	Knemidocoptidae-D, U
TARSONEMOIDEA	Trombidiidae-U	Sarcoptidae-D, U
Podapolipodidae-T, D	Hydrachnellae	*Orbatei-U
Pyemotidae-D, U	HYDRACHNOIDEA	ENARTHRONOTA
Scutacaridae-D, U	Hydrachnidae-T'', D, U	Hypocephloniidae-U
Tarsonemidiae-D, U	EYLAOIDEA	PHTHIRACAROIDEA
ANYSTOIDEA	Eylaidae-D, U	Phthiracaridae-T''
Anystidae-U	Limnocharidae-D, U	LOHMANNIOIDEA
BDELLOIDEA	Piersigiidae-D, U	Lohmanniidae-U
Bdellidae-U	HYDRYPHANTOIDEA	NOTHOIDEA
Cunaxidae-U	Hydryphantidae-U	Camisiidae-U
CAECULOIDEA	Thyasidae-U	Hermannidae-D
Caeculidae-U	LEBERTIOIDEA	EREMAEAOIDEA
CHEYLETOIDEA	Sperchonidae-D, U	Eremaeidae-U
Cheyletidae-D, U	HYGROBATOIDEA	UNGROUPIED FAMILIES
Demodicidae-D	Hygrobatidae-D, U	Peloppiidae-D
Myobiidae-D	Limnesiidae-D, U	Tenuialidae-T''
Psorergatidae-D	Pionidae-D, U	APOPHREDERMES
ERIOPHYOIDEA	Unionicolidae-D, U	Oribatellidae-U
Eriophyidae-D, U	MIDEOPSOIDEA	EXCENTROSCLEROSAE
EUPODOIDEA	Mideidae-U	Oribatulidae-U
Eupodidae-D, U	ARRENUROIDEA	MACROSCLEROSAE
Penthaleidae-D, U	Arrenuridae-D, U	Ceratozetidae-U
Rhagidiidae-U	Acaridei	Galumnidae-U
LABIDOSTOMMOIDEA	ANOETOIDEA	
Labidostommidiae-U	Anoetidae-U	

- - - - - * H.E. Ewing Collection, in part.

99-Dr. Richard C. Funk, Spooner Museum, Department of Zoology, Eastern Illinois University, Charleston, Illinois 61920.

DIARTHROPHALLINA	Euzerconidae-T'', D, U
Diarthrophallidae-U	Fedrizziidae-U
ANTENNOPHORINA	Hoplomegistidae-U
Celaenopsidae-T'', D, U	Klinckostroemiidae-U
Diplogyniidae-T'', D, U	Megisthanidae-U
	Schizogyniidae-T'', D, U

100-Dr. Richard J. Elzinga, Department of Entomology, Kansas State University, Manhattan, Kansas 66502.

Parasitiformes	ANTENNOPHORINA	BDELLOIDEA
GAMASINA	Paramegistidae-D	Bdellidae-U
Ascidae-D	Parantennulidae-D	CHEYLETOIDEA
Haemogamasidae-D	IXODOIDEA	Myobiidae-T'', D
Laelapidae-U	Ixodidae-D	LISTROPHOROIDEA
Neoparasitidae-U	TARSONEMOIDEA	Listrophoridae (s.s.l.)-D
UROPODINA-T'', D, U	Podapolipodidae-D	Mycoptidae-D
	Pyemotidae-D	

101-Dr. Robert Traub, Department of Microbiology, University of Maryland School of Medicine, 660 W. Redwood Street, Baltimore, Maryland 21201.

Parasitengona
TROMBIDIOIDEA
Trombiculidae-T'', D, U

102-Dr. William B. Nutting, Zoology Department, University of Massachusetts, Amherst, Massachusetts 01002.

Promata
CHEYLETOIDEA
Demodicidae-T, T'', D, U

103-Dr. Robert M. Crowell, Department of Biology, St. Lawrence University, Canton, New York 13617.

Hydrachnella	Hydryphantidae-T, D, U	Limnesiidae-U
HYDRACHNOIDEA	Thyasidae-D, U	Pionidae-T, U
Hydrachnidae-T, U	LEBERTIOIDEA	Unionicolidae-U
EYLAOIDEA	Oxidae-U	ATUROIDEA
Limnocharidae-D, U	Sperchonidae-U	Axonopsidae-U
HYDRYPHANTOIDEA	Torrenticolidae-T, D, U	ARRENUROIDEA
Hydrodromidae-D, U	HYGROBATOIDEA	Arrenuridae-U
	Hygrobatidae-U	

104-Dr. G.W. Krantz, Department of Entomology, Oregon State University, Corvallis, Oregon 97331.

Opilioacariformes	ANTENNOPHORINA	Demodicidae-D
Opilioacaridae-U	Antennophoridae-D	Harpyrhynchidae-D
Parasitiformes	Celaenopsidae-U	Myobiidae-D
HOLOTHYRINA	Cercomegistidae-U	Psorergatidae-D
Holothyridae-U	Diplogyniidae-T'', D, U	Syringophilidae-D
SEJINA	Euzerconidae-D, U	ERIOPHYOIDEA
Sejidae-D, U	Fedrizziidae-U	Eriophyidae-D, U
GAMASINA	Hoplomegistidae-U	EUPODOIDEA
Ameroseiidae-D, U	Klinckostroemiidae-U	Eupodidae-D, U
Arctacaridae-U	Megisthanidae-D	Penthaleidae-D
Ascidae-T'', D, U	Paramegistidae-D	Penthalodidae-D
Dermanyssidae (s.st.)-T'', D	Parantennulidae-D	Rhagidiidae-U
Entonyssidae-D	IXODOIDEA	HALACAROIDEA
Epicriidae-D, U	Argasidae-D	Halacaridae-T'', D, U
Eviphididae-T'', D, U	Ixodidae-D	LABIDOSTOMMOIDEA
Haemogamasidae-D	Endeostigmata	Labidostommiidae-D, U
Halarachnidae-D	PACHYGNATHOIDEA	RAPHIGNATHOIDEA
Halolaelapidae-U	Lordalychidae-U	Caligonellidae-U
Heterozerconidae-U	Nanorchestidae-U	Cryptognathidae-T'', D, U
Ixodoryhynchidae-D	Pachygnathidae-D, U	Eupalopsellidae-U
Laelapidae-T'', D, U	TARSONEMOIDEA	Neophyllobiidae-U
Macrochelidae-T'', D, U	Podapolipodidae-D	Raphignathidae-D, U
Macronyssidae-D, U	Pyemotidae-T'', D, U	Stigmaeidae-D, U
Microgyniidae-T'', D, U	Scutacaridae-U	Tarsocheylidae-D
Otopheidomenidae-T'', D, U	Tarsonemidae-D, U	TETRANYCHOIDEA
Pachylaelapidae-U	ANYSTOIDEA	Tenuipalpidae-D, U
Parasitidae-D, U	Anystidae-D, U	Tetranychidae-D, U
Parholaspidae-T'', D, U	Heterocheylidae-D	Tuckerellidae-D
Phytoseiidae-D, U	Pseudocheylidae-D	TYDEOIDEA
Podocinidae-D, U	Pterygosomidae-D	Ereynetidae-D, U
Rhinonyssidae-D, U	Teneriffiidae-U	Paratydeidae-U
Rhodacaridae-D, U	BDELLOIDEA	Tydeidae-D, U
Spelaeorhynchidae-D	Bdellidae-D, U	ERYTHRHAEOIDEA
Spinturnicidae-D, U	Cunaxidae-D, U	Calyptostomidae-U
Veigaiidae-D, U	CAECULOIDEA	Erythraeidae-D, U
Zerconidae-D, U	Caeculidae-D	Smaridiidae-U
DIARTHROPHALLINA	CHEYLETOIDEA	TROMBIDIOIDEA
Diarthrophallidae-D	Cheyletidae-D, U	Johnstonianidae-U
	Cloacaridae-D	Trombiculidae-D, U
		Trombidiidae-D, U

(Continued next page)

104-continued: Dr. G.W. Krantz, Department of Entomology, Oregon State University, Corvallis, Oregon 97331.

Hydrachnellae	LISTROPHOROIDEA	NOTHROIIDEA
HYDROVOLZIOIDEA	<i>Listrophoridae</i> (s.s.l.)-U	<i>Camisiidae</i> -U
Hydrovolziidae-D	<i>Myocoptidae</i> -D	<i>Hermanniiidae</i> -D, U
EYLAOIDEA	PSOROPTOIDEA	<i>Malacothrididae</i> -U
Eylaidae-D	<i>Psoroptidae</i> -D	<i>Nanhermanniidae</i> -U
Piersigiidae-D	<i>Pyroglyphidae</i> -D	<i>Nothridae</i> -D
Protziidae-D	ANALGOIDEA	NEOLIODOIDEA
HYDRYPHANTOIDEA	<i>Analgidae</i> -U	<i>Neolioididae</i> -U
Thyasidae-D	<i>Dermoglyphidae</i> -U	EREMAEOIDEA
LEBERTIOIDEA	<i>Epidermoptidae</i> -U	<i>Eremaeidae</i> -U
Lebertiidae-D	<i>Freyanidae</i> -U	HERMANIELLOIDEA
Sperchonidae-D	<i>Proctophyllodidae</i> -U	<i>Hermanniellassidae</i> -U
HYGROBATOIDEA	<i>Turbinoptidae</i> -D	PLATEREMAEAOIDEA
Hygrobatidae-D	SARCOPTOIDEA	<i>Plateremaeidae</i> -U
Pionidae-D	<i>Knemidocoptidae</i> -D	AMEROBELBOIDEA
Pontarachnidae-D	<i>Sarcoptidae</i> -D	<i>Eremobelbidae</i> -D
Unionicolidae-D	CYTODITOIDEA	UNGROUPED FAMILIES
ARRENUROIDEA	<i>Cytoditidae</i> -D	<i>Carabodidae</i> -U
Arrenuridae-D	Oribatei-U	<i>Cepheidae</i> -U
Acaridei	PALEACAROIDEA	<i>Damaeidae</i> -U
ANOETOIDEA	<i>Acaronycidae</i> -U	<i>Gustaviidae</i> -U
Anoetidae-D, U	<i>Ctenacaridae</i> -U	<i>Liacaridae</i> -U
CANESTRINOIDEA	<i>Paleacaridae</i> -D, U	<i>Oppiidae</i> -D, U
Canestriniidae-U	PARHYPOTHONIOIDEA	<i>Peloppiidae</i> -U
Hemisarcopidae-D	<i>Parhypothoniidae</i> -U	<i>Tenuialidae</i> -D, U
ACAROIDEA	ENARTHRONOTA	PORONOTICAE
Acaridae-D, U	<i>Brachychthoniidae</i> -D	LOWER PLICATES
Carpoglyphidae-D	<i>Hypochthoniidae</i> -D	<i>Cymbaeremaeidae</i> -U
Chaetodactylidae-D	MESOPLOPHOROIDEA	<i>Tectocepheidae</i> -D
Chortoglyphidae-D	<i>Mesoplophoridae</i> -U	HIGHER PLICATES
Ctenoglyphidae-D	PHTHIRACAROIDEA	<i>Achipteriidae</i> -U
Ewingidae-D	<i>Eupthiracaridae</i> -U	APOPHREDERMES
Fusacaridae-D	<i>Phthiracaridae</i> -D, U	<i>Oribatellidae</i> -U
Glycyphagidae-D, U	LOHMANNIOIDEA	EXCENTROSCLEROSAE
Hyadesiidae-U	<i>Epilohmanniidae</i> -D	<i>Haplozetidae</i> -U
Labidophoridae-D, U	<i>Eulohmanniidae</i> -D	<i>Oribatulidae</i> -U
Saproglyphidae-D, U	<i>Lohmanniidae</i> -D, U	MACROSCLEROSAE
	<i>Perlohmanniidae</i> -U	<i>Ceratozetidae</i> -U
		<i>Galumnidae</i> -D, U

105-Dr. W. Wayne Moss, Chairman Department of Entomology, Academy of Natural Sciences. 19th & Parkway, Philadelphia, Pennsylvania 19103.

Parasitiformes	UROPODINA-U	Heterocheylidiae-U
SEJINA	DIATRHOPHALLINA	Pseudocheylidiae-U
Sejidae-U	<i>Diarthrophallidae</i> -U	Pterygosomidae-U
GAMASINA	ANTENNOPHORINA	BDELLOIDEA
Ameroseiidae-U	<i>Diplogyniidae</i> -U	<i>Bdellidae</i> -U
Arctacaridae-U	<i>Euzerconidae</i> -U	<i>Cunaxidae</i> -U
Ascidae-U	<i>Parantennulidae</i> -U	CHEYLETOIDEA
Dermyssidae (s.st.)-T, U	IXODOIDEA	<i>Cheyletidae</i> -U
Eviphidiidae-U	<i>Argasidae</i> -U	<i>Harpyrhynchidae</i> -T, U
Haemogamasidae-U	<i>Ixodidae</i> -U	<i>Myobiidae</i> -U
Ixodorrhynchidae-U	Endeostigmata	<i>Syringophilidae</i> -U
Laelapidae-U	PACHYGNATHOIDEA	ERIOPHYOIDEA
Macrochelidae-U	<i>Lordalychidae</i> -U	<i>Eriophyidae</i> -U
Macronyssidae-U	<i>Nanorchestidae</i> -U	EUPODOIDEA
Parasitidae-U	<i>Pachygnathidae</i> -U	<i>Eupodidae</i> -U
Parholaspidae-U	TARSONEMOIDEA	<i>Rhagidiidae</i> -U
Phytoseiidae-U	<i>Podapolipodidae</i> -U	HALACAROIDEA
Podocinidae-U	<i>Pyemotidae</i> -U	<i>Halacaridae</i> -U
Rhinonyssidae-U	<i>Scutacaridae</i> -U	RAPHIGNATHOIDEA
Rhodacaridae-U	<i>Tarsonemidae</i> -U	<i>Neophyllobiidae</i> -U
Sinturnicidae-U	ANYSTOIDEA	<i>Raphignathidae</i> -U
Veigaiidae-U	<i>Anystidae</i> -U	<i>Stigmaeidae</i> -U
Zerconidae-U		

(Continued next page)

105-continued: Dr. W. Wayne Moss, Chairman Department of Entomology, Academy of Natural Sciences, 19th & Parkway, Philadelphia, Pennsylvania 19103.

TETRANYCHOIDEA
 Tenuipalpidae-U
 Tetranychidae-U
 TYDEOIDEA
 Ereynetidae-U
 Tydeidae-U
 ERYTHRAEOIDEA
 Calyptostomidae-U
 Erythraeidae-U
 Smaridiidae-U
 TROMBIDIOIDEA
 Johnstonianidae-U
 Trombiculidae-U
 Trombidiidae-U
 Hydrachnellae
 HYDRACHNOIDEA
 Hydrachnidae-U
 HYGROBATOIDEA
 Limnesiidae-U
 Pionidae-U

Acaridei
 ANOETOIDEA
 Anoetidae-U
 ACAROIDEA
 Acaridae-U
 Chaetodactylidae-U
 Glycyphagidae-U
 LISTROPHOROIDEA
 Listrophoridae (s.s1.)-U
 PSOROPTOIDEA
 Psoroptidae-U
 ANALGOIDEA
 Analgidae-U
 Dermoglyphidae-U
 Epidermoptidae-U
 Freyanidae-U
 Proctophyllodidae-U
 SARCOPTOIDEA
 Sarcoptidae-U

Oribatei
 ENARTHRONOTA
 Brachychthoniidae-U
 Hypochthoniidae-U
 LOHMANNIOIDEA
 Epilohmanniidae-U
 Lohmanniidae-U
 NOTHROIDEA
 Camisiidae-U
 Trhypochthoniidae-U
 UNGROUPED FAMILIES
 Carabodidae-U
 Oppidae-U
 PORONOTICAE
 HIGHER PLICATES
 Phenopelopidae-U
 MACROSCLEROSAE
 Galumnidae-U

106-Dr. B. McDaniel, Department of Entomology and Zoology, South Dakota State University, Brookings, South Dakota 57006.

Parasitiformes
 GAMASINA
 Ascidae-U
 Dermanyssidae (s.st.)-D,U
 Ixodorrhynchidae-D
 Laelapidae-D,U
 Macrochelidae-D,U
 Macronyssidae-U
 Neoparasitidae-U
 Parasitidae-D,U
 Phytoseiidae-U
 Rhinonyssidae-U
 Spelaeorhynchidae-D
 Spinturnicidae-D,U
 Veigaiidae-U
 Zerconidae-U
 UROPODINA-U
 ANTENNOPHORINA
 Euzerconidae-U
 IXODOIDEA
 Argasidae-D
 Ixodidae-D
 TARSONEMOIDEA
 Podapolipodidae-T",D
 Pyemotidae-D

Scutacaridae-D
 Tarsonemidae-D,U
 ANYSTOIDEA
 Pseudocheylidae-D,U
 BDELLOIDEA
 Bdellidae-U
 CHEYLETOIDEA
 Cheyletidae-D,U
 Demodicidae-D,U
 Myobiidae-T",D,U
 Syringophilidae-T",D,U
 ERIOPHYOIDEA
 Eriophyidae-D,U
 TETRANYCHOIDEA
 Tenuipalpidae-U
 Tetranychidae-D,U
 TYDEOIDEA
 Ereynetidae-U
 Tydeidae-U
 ERYTHRAEOIDEA
 Erythraeidae-U
 TROMBIDIOIDEA
 Trombiculidae-D,U
 Trombidiidae-D,U

Hydrachnellae
 HYDRACHNOIDEA
 Hydrachnidae-U
 Acaridei
 CANESTRINOIDEA
 Canestriniidae-T",D
 ACAROIDEA
 Acaridae-D,U
 Carpoglyphidae-D,U
 Glycyphagidae-D,U
 Labidophoridae-D,U
 Rosensteiniidae-T",D
 LISTROPHOROIDEA
 Listrophoridae (s.s1.)-T,T",D,U
 Myocoptidae-D,U
 PSOROPTOIDEA
 Psoroptidae-D
 ANALGOIDEA
 Analgidae-T,T",D,U
 Dermoglyphidae-T,T",D,U
 Epidermoptidae-T,T",D,U
 Freyanidae-T",D,U
 Proctophylloididae-T",D,U
 SARCOPTOIDEA
 Sarcoptidae-D,U
 Oribatei Circumdehiscentiae-U

107-Dr. Donald M. Allred, Department of Zoology, 788 Widb., Brigham Young University, Provo, Utah 84601.

Parasitiformes
 GAMASINA-D,U
 Ameroseiidae-U
 Ascidae-U
 Dermanyssidae (s.st.)-T,T",D,U
 Entonyssidae-U
 Haemogamasidae-T",D,U
 Iphiopsidae-U
 Ixodorrhynchidae-U
 Laelapidae-T,T",D,U

Macrochelidae-D,U
 Macronyssidae-D,U
 Neoparasitidae-U
 Pachylaelapidae-U
 Parasitidae-U
 Phytoseiidae-D,U
 Rhinonyssidae-D,U
 Spinturnicidae-D,U
 Veigaiidae-U
 Zerconidae-U

UROPODINA-U
 DIARTHROPHALLINA
 Diarthrophallidae-U
 ANTENNOPHORINA
 Diplogyniidae-U
 Megisthanidae-U
 IXODOIDEA
 Argasidae-T",D,U
 Ixodidae-D,U

107-continued: Dr. Donald M. Allred, Department of Zoology, 788 Widb., Brigham Young University, Provo, Utah 84601.

Endeostigmata
 PACHYGNATHOIDEA
 Alichorhagiidae-U
 Nanorchestidae-U
 Pachygnathidae-U
 Pediculochelidae-U
 Sphaerolichidae-U
 TARSONEMOIDEA
 Pyemotidae-U
 Scutacaridae-U
 Tarsoneumidae-D, U
 ANYSTOIDEA
 Anystidae-U
 Pterygosomidae-D, U
 Teneriffiidae-U
 BDELLOIDEA
 Bdellidae-D, U
 Cunaxidae-U
 CAECULOIDEA
 Caeculidae-U
 CHEYLETOIDEA
 Cheyletidae-U
 Harpyrhynchidae-U
 Myobiidae-D, U
 Ophioptidae-T, T'', D
 ERIOPHYOIDEA
 Eriophyidae-U
 EUPODOIDEA
 Eupodidae-U
 Rhagidiidae-U
 HALACAROIDEA
 Halacaridae-U
 LABIDOSTOMMOIDEA
 Labidostommidae-U

RAPHIGNATHOIDEA
 Cryptognathidae-U
 Neophyllobiidae-U
 Raphignathidae-U
 TETRANYCHOIDEA
 Tenuipalpidae-U
 Tetranychidae-D, U
 TYDEOIDEA
 Paratydeidae-U
 Tydeidae-D, U
 ERYTHRACEOIDEA
 Erythraeidae-D, U
 Smaridiidae-U
 TROMBIDIOIDEA
 Trombiculidae-T, T'', D, U
 Trombidiidae-U
 Hydrachnella
 HYDRACHNOIDEA
 Hydrachnidae-D, U
 EYLAOIDEA
 Eylaidae-D, U
 LEBERTIOIDEA
 Anisitsiellidae-D, U
 Lebertiidae-D, U
 HYGROBATOIDEA
 Hygrobatidae-D, U
 Pionidae-D, U
 Acaridei
 ACAROIDEA
 Acaridae-D, U
 Ewingidae-D, U
 Glycyphagidae-U
 LISTROPHOROIDEA
 Listrophoridae (s.s.l.)-D, U

ANALGOIDEA
 Analidae-D, U
 Dermoglyphidae-D, U
 Epidermoptidae-U
 Freyanidae-U
 Proctophyllodidae-T'', D, U
 SARCOPTOIDEA
 Sarcoptidae-U
 Oribatei
 PALEACAROIDEA
 Paleacaridae-U
 ENARTHRONOTA
 Hypochthoniidae-U
 Sphaerochthoniidae-U
 PHTHIRACAROIDEA
 Phthiracaridae-U
 LOHMANNIOIDEA
 Lohmanniidae-U
 NOTHOIDEA
 Camisiidae-U
 EREMAEOIDEA
 Eremaeidae-U
 UNGROUPED FAMILIES
 Carabodidae-U
 Liacaridae-U
 PORONOTICAE
 LOWER PLICATES
 Cybaeremaeidae-U
 APOPHEREDERMES
 Oribatellidae-U
 EXCENTROSCLEROSAE
 Oribatulidae-U
 Oripodidae-U
 MACROSCLEROSAE
 Ceratozetidae-U
 Galumnidae-U

108-Dr. Daniel E. Sonenshine, Department of Biology, Old Dominion College, Norfolk, Virginia 23508.

Parasitiformes
 SEJINA
 Sejidae-D
 Uropodellidae-D
 GAMASINA
 Ameroseiidae-D
 Arctacaridae-D
 Ascidae-D
 Dermanyssidae (s.st.)-D
 Digamasellidae-D
 Entonyssidae-D
 Epicriidae-D
 Eviphididae-D
 Haemogamasidae-D
 Halarachnidae-D
 Ixodorhynchidae-D
 Laelapidae-D
 Macrochelidae-D
 Macronyssidae-D
 Pachylaelapidae-D
 Parasitidae-D
 Parholaspidae-D
 Phytoseiidae-D
 Podocinidae-D
 Rhodacaridae-D

Spinturnicidae-D
 Veigaiidae-D
 Zerconidae-D
 UROPODINA-D
 DIARTHROPHALLINA
 Diarthropallidae-D
 ANTENNOPHORINA
 Diplogyniidae-D
 Euzerconidae-D
 Fedrizziidae-D
 Parantennulidae-D
 IXODOIDEA
 Argasidae-D
 Ixodidae-D
 Endeostigmata
 PACHYGNATHOIDEA
 Alichorhagiidae-D
 Lordolychidae-D
 Nanorchestidae-D
 Pachygnathidae-D
 Pediculochelidae-D
 Sphaerolichidae-D
 Terpnacaridae-D
 TARSONEMOIDEA
 Pyemotidae-D

BDELLOIDEA
 Bdellidae-D
 CHEYLETOIDEA
 Cheyletidae-D
 Demodicidae-D
 Syringophilidae-D
 EUPODOIDEA
 Rhagidiidae-D
 LABIDOSTOMMOIDEA
 Labidostommidae-D
 TROMBIDIOIDEA
 Trombiculidae-D
 Hydrachnella
 HYDRACHNOIDEA
 Hydrachnidae-D
 Acaridei
 ACAROIDEA
 Acaridae-D
 Chortoglyphidae-D
 Saprogllyphidae-D
 LISTROPHOROIDEA
 Myocoptidae-D
 PSOROPTOIDEA
 Psoroptidae-D

108-continued: Dr. Daniel E. Sonenshine, Department of Biology, Old Dominion College, Norfolk, Virginia 23508.

ANALGOIDEA	ENARTHRONOTA	Damaeidae-D
Analgidae-D	Hypochthoniidae-D	Opiidae-D
Proctophyllodidae-D	PHTHIRACAROIDEA	Peloppiidae-D
SARCOPTOIDEA	Pthiracaridae-D	PORONOTICAE
Sarcoptidae-D,U	LOHMANNIOIDEA	APOPHEREDERMES
Oribatei	Perlohmanniidae-D	Oribatellidae-D
PALEACAROIDEA	NOTHROIDEA	EXCENTROSCLEROSAE
Acaronychidae-D	Hermanniiidae-D	Oribatulidae-D
Ctenacaridae-D	Nothridae-D	MACROSCLEROSAE
Paleacaridae-D	UNGROUPIED FAMILIES	Galumnidae-D
	Cepheidae-D	

109-Dr. R.L. Heinemann, Department of Natural Sciences, Longwood College, Farmville, Virginia 23901.

Acaridei
ANOETOIDEA
*Anoetidae-T",D,U

- - - - - * = R.D. Hughes Collection.

110-Drs. H. Hoogstraal and M.N. Kaiser, Department of Medical Zoology, U.S. Naval Medical Research Unit Number 3, Fleet Post Office, New York, 09527.

IXODOIDEA
Argasidae-D
Ixodidae-T",D

111-Dr. L. van der Hammen, Rijksmuseum van Natuurlijke Historie, Raamsteeg 2, Leiden, Netherlands.

Parasitiformes	*Hoplomegistidae-D	HALACAROIDEA
GAMASINA	*Megisthanidae-D	*Halacaridae-T,T",D
*Ameroseiidae-D	IXODOIDEA	LABIDOSTOMMOIDEA
*Ascidae-D,U	*Argasidae-D	*Labidostommidae-D
*Dermanyssidae (s.st.)-T,T",D	*Ixodidae-D,U	RAPHIGNATHOIDEA
*Discozerconidae-D	Endeostigmata	*Cryptognathidae-D,U
*Epicriidae-D,U	PACHYGNATHOIDEA	*Homocaligidae-D,U
*Eviphididae-D,U	*Pachygnathidae-T,T",D	*Raphignathidae-D
*Haemogamasidae-D	TARSONEMOIDEA	*Stigmaeidae-T,T",D,U
*Halarachnidae-D,U	*Podapolipodidae-D	TETRANYCHOIDEA
*Halolaelapidae-D	*Pyemotidae-D,U	*Tenuipalpidae-D,U
*Heterozerconidae-D,U	*Scutacaridae-D,U	*Tetranychidae-D,U
*Ixodorhynchidae-D	*Tarsonemidae-T,T",D,U	TYDEOIDEA
*Laelapidae-T,T",D,U	ANYSTOIDEA	*Ereynetidae-D,U
*Macrochelidae-T,T",D	*Anystidae-D,U	*Tydeidae-T,T",D,U
*Macronyssidae-D,U	*Teneriffiidae-D,U	ERYTHRHAEOIDEA
*Neoparasitidae-D	BDELLOIDEA	*Calyptostomidae-D
*Pachylaelapidae-D	*Bdellidae-D,U	*Erythraeidae-T,T",D,U
*Parasitidae-T,T",D,U	*Cunaxidae-D,U	*Samaridiidae-T,T",D,U
*Phytoseiidae-T,T",D,U	CAECULOIDEA	TROMBIDIOIDEA
*Podocinidae-D	*Caeculidae-D	*Johnstonianidae-D
*Raillietidae-U	CHEYLETOIDEA	*Trombiculidae-T,T",D,U
*Rhinonyssidae-D,U	*Cheyletidae-T,T",D,U	*Trombidiidae-T,T",D,U
*Rhodacaridae-D,U	*Demodicidae-D	Hydrachnellae
*Spinturnicidae-D	*Myobiidae-D,U	HYDRACHNOIDEA
*Veigaiidae-D,U	*Psorergatidae-D	*Hydrachnidae-D,U
*Zerconidae-D	ERIOPHYOIDEA	EYLAOIDEA
UROPODINA-T,T",D,U	*Eriophyidae-T,T",D,U	*Eylaidae-D,U
ANTENNOPHORINA	EUPODOIDEA	HYDRYPHANTOIDEA
*Antennophoridae-D	*Eupodidae-T,T",D,U	*Hydryphantidae-D,U
*Calaenopsidae-T,T",D	*Penthaleidae-D,U	*Thyasidae-D
*Euzerconidae-D	*Penthalodidae-D	LEBERTIOIDEA
*Fedrizziidae-T,T",D	*Ragidiidae-T,T",D,U	*Lebertiidae-D

(Continued next page)

111-continued: Dr. L. van der Hammen, Rijksmuseum van Natuurlijke Historie, Raamsteeg 2, Leiden, Netherlands.

*Oxidae-D	ANALGOIDEA	AMEROBELBOIDEA
*Sperchonidae-D	*Analgidae-T, T'', D, U	*Ameridae-D
*Teutoniidae-D	*Dermoglyphidae-T, T'', D, U	UNGROUPED FAMILIES
HYGROBATOIDEA	*Epidermoptidae-D, U	*Astegistidae-T''
*Hygrobatidae-D	*Freyanidae-T, T'', D, U	*Carabodidae-D, U
*Limnesiidae-D, U	*Proctophyllodidae-T, T'', D, U	*Cepheidae-D
*Pionidae-D, U	SARCOPTOIDEA	*Ceratoppiidae-D
*Unionicolidae-D, U	*Knemidocoptidae-D	*Damaeidae-D
ATUROIDEA	*Sarcoptidae-D	*Gustaviidae-D
*Axonopsidae-D	CYTODITOIDEA	*Hydrozetidae-D
MIDEOPSOIDEA	*Cytoditidae-D	*Liacaridae-D, U
*Mideidae-U	Oribatei	*Oppiidae-D, U
*Mideopsidae-D	ENARTHRONOTA	*Peloppiidae-D
ARRENUROIDEA	*Brachychthoniidae-D	*Suctobelbidae-D
*Arrenuridae-D	*Cosmochthoniidae-D	*Tenuialidae-D
Acaridei	*Hypochthoniidae-D	PORONOTICAE
ANOETOIDEA	PHTHIRACAROIDEA	LOWER PLICATES
*Anoetidae-T, T'', D	*Phthiracaridae-D	*Ameronothridae-D
CANESTRINOIDEA	LOHMANNIOIDEA	*Cymbaeremaeidae-D
*Canestriniidae-D	*Epilohmanniidae-D	*Micreremidae-D
ACAROIDEA	NOTHOIDEA	*Scutoverticidae-D
*Acaridae-D	*Camisiidae-D	APOPHEREDERMES
*Carpoglyphidae-D	*Hermannidae-D	*Oribatellidae-D
*Chaetodactylidae-D	*Malacothridae-D	EXCENTROSCLEROSAE
*Chortoglyphidae-D	*Nanhermanniidae-D	*Oribatulidae-D
*Ctenoglyphidae-D	*Nothridae-D	*Sellnickiidae-T, T'', D
*Glycyphagidae-D	*Trhypochthoniidae-D	MACROSCLEROSAE
*Labidophoridae-D	NEOLIODOIDEA	*Ceratozetidae-D
*Rosensteiniidae-D	*Neolioididae-D	*Chamobatidae-D
*Saproglaphidae-D	ZETORCHESTOIDEA	*Euzetidae-D
LISTOPHOROIDEA	*Zetorchestidae-D	*Galumnidae-D
*Listrophoridae (s.s.l.)-D, U	EREMAEAOIDEA	*Mycobatidae-D
*Myocoptidae-U	*Eremaeidae-D	
PSOROPTOIDEA	PLATEREMAEAOIDEA	
*Psoroptidae-D	Liodidae-D	

- - - - -

* = A.C. Oudemans Collection.

112-Dr. Herbert W. Levi, Museum of Comparative Zoology, Harvard University, Cambridge, Massachusetts 02138.

1*Mesostigmata-D	ANYSTOIDEA	ERYTHRAEOIDEA
SEJINA	1*Anystidae-T	1*Erythraeidae-T, T''
1*Sejidae-T	1*Pterygosomidae-T	1*Smaridiidae-T, T''
GAMASINA	BDELLOIDEA	TROMBIDIOIDEA
2*Ascidae-T, T''	1*Bdellidae-T, T''	1*Trombiculidae-T, T''
1*Halarachnidae-T, D	1*Cunaxidae-T	1*Trombidiidae-T, T'', D
1*Laelapidae-T, T'', D	CAECULOIDEA	Hydrachnellae
1,3*Macrochelidae-T, T'', D	1,5*Caeculidae-T, T''	HYGROBATOIDEA
1,3*Macronyssidae-T, T'', D	CHEYLETOIDEA	6*Unionicolidae-T''
1*Parasitidae-T	1*Cheyletidae-T	ARRENURAE
2*Phytoseiidae-T, T''	1*Myobiidae-T, T''	7*Arrenuridae-T''
1*Spinturnicidae-T	ERIOPHYOIDEA	1*Acaridei-D
1*UROPODINA-T, T''	1*Eriophyidae-T	CANESTRINOIDEA
ANTENNOPHORINA	EUPODOIDEA	1*Canestriniidae-T
1*Antennophoridae-T, D	1*Eupodidae-T	ACAROIDEA
1*Celaenopsidae-T	LABIDOSTOMMOIDEA	1*Acaridae-T
1*Megisthanidae-T	1*Labidostommidae-D	1*Glycyphagidae-T'', D
IXODOIDEA	RAPHIGNATHOIDEA	8*Hypoderidae-T''
1,4*Argasidae-T, T''	1*Caligonellidae-T''	LISTOPHOROIDEA
1,4*Ixodidae-T, T''	1*Raphignathidae-T	1>Listrophoridae (s.s.l.)-T
1*Prostigmata-D	1*Stigmeidae-T, D	ANALGOIDEA
TARSONEMOIDEA	TETRANYCHOIDEA	1*Epidermoptidae-T
1*Pyemotidae-T, T'', D	1*Tenuipalpidae-T	1*Proctophyllodidae-T, T''
1*Scutacaridae-T	1,3*Tetranychidae-T, T'', D	
1*Tarsonemidae-T		

(Continued next page)

112-continued: Dr. Herbert W. Levi, Museum of Comparative Zoology, Harvard University, Cambridge, Massachusetts 02138.

CYTODITOIDEA
1*Cytoditidae-T"
1*Oribatei-D
PHTHIRACAROIDEA
5*Ephthiracaridae-T
3,5*Pthiracaridae-T,T"
LOHMANNIOIDEA
1*Epilohmanniidae-T
1*Lohmanniidae-T,T"
NOTHROIDEA
5*Camisiidae-T
5*Hermannidae-T,T"
1*Nothridae-T,T",D

NEOLIODOIDEA
1,5*Neolioididae-T,T"
EREMAEAOIDEA
1*Eremaeidae-T,T"
PLATEREMAEOIDEA
1*Gymnodamaeidae-T
UNGROUPED FAMILIES
1*Carabodidae-T,T"
1,5*Cepheidae-T,T"
5*Ceratoppiidae-T
1*Damaeidae-T
1,5*Liacaridae-T,T"
5*Microzetidae-T

1*Oppiidae-T,T"
5*Peloppiidae-T,T"
5*Suctobelbidae-T,T"
PORONOTICAE
LOWER PLICATES
1*Scutoverticidae-T,T"
APOPHEREDERMES
1,5*Oribatellidae-T,T"
EXCENTROSCLEROSAE
1,5*Haplozetidae-T,T"
1,5*Parakalummidae-T,T",D
MACROSCLEROSAE
1,5*Ceratozetidae-T,T"
1,5*Galumnidae-T

- - - - -

- *1 = Banks Collection.
- *2 = De Leon Collection.
- *3 = Ewing Collection, in part.
- *4 = Bequaert Collection.
- *5 = Jacot Collection, in part.
- *6 = Wolcott Collection, in part.
- *7 = Marshall Collection, in part.
- *8 = Murray Collection, in part.

DETAILED INFORMATION WAS NOT AVAILABLE FOR COLLECTIONS 113 through 186. ENTRIES FOR THESE COLLECTIONS ARE BASED ON DATA SUPPLIED BY ACAROLOGISTS IN ACAROLOGISTS OF THE WORLD, IX ed.

113-Dr. F.H.S. Roberts, Veterinary Parasitology Laboratory, C.S.I.R.O. Fairfield Road, Yeerongpilly, Queensland, Australia.

IXODOIDEA

114-Dr. R. V. Southcott, 2 Taylors Road, Mitcham 5062, South Australia.

ERYTHRAEOIDEA
TROMBIDIOIDEA

115-Dr. Pierre L.G. Benoit, Department of Invertebrates, Musee Royal de l'Afrique Centrale, Tervuren, Belgium.

*African parasitic Mesostigmata

- - - - -
*The Museum is a major type depository for acarine material of African origin.

116-Dr. Jean Cooreman, Section d'Entomologie, Institut Royal des Sciences Naturelles de Belgique, 31 rue Vautier, Bruxelles 4, Belgium.

*Acari diversi

- - - - -
*The Museum is a major type depository for acarine material.

117-Dr. Alex Fain, Institut de Medicine Tropicale, 155 rue Nationale, Antwerp, Belgium.

Parasitic acarina

118-Dr. Herbert Franzoni Berla, Museu Nacional, Rio de Janeiro, GB, Brazil.

ANALGOIDEA

119-Dr. Maria Kolebinova, Zoological Institute of Bulgarian Academy of Sciences, Bul. Ruski 1, Sofia, Bulgaria.

Trombiculidae

120-Dr. Ivan Vassilev, Institut Zoologique et Musee, Bld. Ruski 1, Sofia, Bulgaria.

ANALGOIDEA

121-Dr. Vera Halaskova, Zoologicky ustav University Karlovy, Vinicna 7, Prague 2, Czechoslovakia.

Mesostigmata
TARSONEMOIDEA

122-Dr. Miroslav Kunst, Zoologicky ustav University Karlovy, Vinicna 7, Prague 2, Czechoslovakia.

Oribatei

123-Dr. Milan Mrčiak, Department of Zoology of Comenius University, Moskovska ul. 2, Bratislava, Czechoslovakia.

Mesostigmata
TROMBIDIOIDEA
Trombiculidae

124-Dr. Marie Hammer, Roland, Fredensborg, Denmark.

Oribatei

125-Dr. Donald A. Griffith, Agricultural Research Council, Pest Infectation Laboratory, London Road, Slough, Bucks, England.

Stored products mites.

126-Dr. A. Margaret Hughes, Cox Green Cottage, Cox Green, Rudgwick nr. Horsham, Sussex, England.

Stored products mites.

127-Dr. Paul W. Murphy, University of Nottingham School of Agriculture, Sutton Bonington, Loughborough, Leicestershire, England.

Oribatei

128-Dr. Eero Karppinen, Zoological Museum of the University of Helsinki, P.-Rautaiekatu 13, Helsinki, Finland.

Oribatei

129-Dr. Eugene Angelier, Laboratoire de Zoologie, Faculte des Sciences, 118 route de Narbonne, Toulouse, France.

HALACAROIDEA
Halacaridae
Hydrachnellae

130-François Grandjean historical collection, see # 133, page 72, Dr. Vachon, Museum National d'Histoire Naturelle, Laboratoire de Zoologie, Arthropodes, 61, rue de Buffon, Paris 5, France.

Oribatei
Acari diversi

131-Dr. Jean-Claude Lions, Biologie Generale, Faculte des Sciences de Marseille, 1 Place Victor Hugo,
13, Marseille (3), France.

Oribatei

132-Dr. Pierre Claud Morel, Institut d'Elevage et de Medicine Veterinaire de Pays Tropicaux, 10, rue
Pierre Curie, 94-Maisons-Alfort, France.

IXODOIDEA

133-Dr. Max Vachon and Mr. Michael Henri Naudo, Museum National d'Histoire Naturelle, Laboratoire de
Zoologie, Arthropodes, 61, rue de Buffon, Paris 5, France. See also # 130, page 71, F. Grandjean
collection.

*Acari diversi

- - - - - *The Museum is a major type depository for acarine material.

134-Dr. Amedee Rambier, 4 rue du Lierre, 34 Montpellier, France.

Mesostigmata
Phytoseiidae
ERIOPHYOIDEA
TETRANYCHOIDEA

135-Dr. W. Besch, Landesstelle fur Gewasserkunde, Hebelstrasse 2, 75 Karlsruhe, Germany.

Hydrachnella

136-Dr. Werner Hirschmann, 851 Furth i.B., AM Kavierlin 26, German Democratic Republic.

*Parasitiformes
*Oribatei

- - - - - * Including C. Willman Collection

137-Dr. W. Knulle, Institut fur Angewandte Zoologie der Frieten Universitat Berlin, 1 Berlin 41 (West)
Haderslebener Str. 9, Germany.

Oribatei

138-Dr. Herbert Krczal, Biologische Bundesanstalt fur land und Forstwirtschaft, Institut fur Obstkrank-
Heiten, Postfach 269, 69 Heidelberg, Germany.

TARSONEMOIDEA
Pyemotidae

139-Dr. Konrad Märkel, Zoologisches Institut der Techn. Hochschule, 61 Darmstadt, West Germany.

Oribatei

140-Dr. Hans-Gerd Menke, Richard Strauss - Weg 3, 294 Wilhelmshaven, Germany.

Oribatei

141-Dr. Paul Munchberg, Windmuhlenweg 93, 477 Soest (Westf.), Germany.

Hydrachnella

142-Dr. Ludwig Schaarschmidt, Buchenrain 138, 732 Goppingen-Ursenwang, Germany.

TARSONEMOIDEA
Tarsonemidae

143-Drs. J. Balough and Csiszar, Etovos Lorand Tudomanyegystem, Allatrendszertani Tanszek, Puskin u. 3, Budapest, VIII, Hungary.

TARSONEMOIDEA
Tarsonemidae
Oribatei

144-L. Szalay historical collection, see # 23, page 35, Dr. S. Mahunka, Zoologische Abteilung des Ungarischen National-Museums, Baross u. 13, Budapest VIII, Hungary.

HALACAROIDEA
Halacaridae
Hydrachnellaee

145-Dr. D. Bal, Department of Zoology, Institute of Science, Bombay, India.

Mesostigmata

146-Dr. Sampurno Kadarsan, Director, Museum Zoologicum Bogoriensis, Djalan Djuanda, Bogor, Java, Indonesia.

IXODOIDEA

147-Dr. Michael Costa, Kibbutz Mishmar Haemek, Israel.

Mesostigmata

148-Dr. O. Theodor, Department of Parasitology, Medical School, Hadassah-Hebrew University, P.O.B. 1172,

IXODOIDEA
Argasidae

149-Dr. Fausta Pegazzano, Istituto Sperimentale per la Zoologia Agraria, Via Lanchiola, Cascine del Riccio, 50125, Firenze, Italia.

*Acari diversi

- - - - -

* = Antonio Berlese Collection.

150-Dr. Antonio Valle, Piazza Cittadella, 22 Bergamo, Italy.

Parasitiformes - free living species.

151-Dr. Jun-ichi Aoki, Department of Zoology, National Science Museum, Ueno Park, Tokyo, Japan

Mesostigmata - free living species
Oribatei

152-Dr. Taiji Imamura, Department of Biology, Ibaraki University, Mito, Japan.

HALACAROIDEA
Halacaridae
Hydrachnellaee

153-Dr. Kenjiro Kawashima, Department of Parasitology, Faculty of Medicine, Kyushu University, Fukuoka, Japan.

Parasitie acarina: Mesostigmata
Trombiculidae
Acaridei

154-Dr. Hans Mori, Hokkaido University, Sapporo, Japan.

Mesostigmata
Phytoseiidae
TETRANYCHOIDEA
Tetranychidae

155-Dr. Manabu Sasa, Department of Parasitology, Institute for Infectious Diseases, University of Tokyo, Shirokanedaimachi, Minatoku, Tokyo, Japan.

Parasitic mesostigmata: TROMBIDIOIDEA
Trombiculidae

156-Dr. Tohru Uchida, 2182-1 Izumi, Komae-shi, Tokyo, Japan.

Hydrachnella

157-Dr. G. L. van Eyndhoven, Instituut voor Taxonomische Zoology, Plantage Middenlaan 64, Amsterdam-1004, Netherlands.

*Acari diversi
**Rhinonyssidae and agricultural acarina

- - - - -
* = Museum Collection.
** = Personal Collection.

158-Dr. Jan Boczek, Rakowiecka 8, SGGW, Warsaw 12, Poland.

ERIOPHYOIDEA
Stored products mites

159-Dr. W. Micherdzinski, Zoological Museum, Jagellonian University, Krupnicza 50, Krakow, Poland.

Mesostigmata
Parasitidae

160-Dr. Eligiusz Pieczynski, Institute of Ecology, Polish Academy of Sciences, Nowy Swiat 72, Warsaw, Poland.

Hydrachnella

161-Dr. Constantin Motas, Institutul de Speologie al Academiei R.S. Romane, Str. Dr. Capsa 8, Bucharest 35, Romania.

HALACAROIDEA
Halacaridae
Hydrachnella

162-Dr. Jane B. Walker, 53 Buffels Road, Rietondale, Pretoria, South Africa.

IXODOIDEA
Ixodidae: Rhipicephalus

163-Dr. F.K.E. Zumpt, South African Institute for Medical Research, P.O. Box 1038, Johannesburg, South Africa.

Parasitic acarina

164-Dr. Gustave Mathys, Direction de l'O.E.P.P., 1 rue le Notre, 75016, Paris, France.

Mesostigmata
Phytoseiidae
TETRANYCHOIDEA
Tetranychidae

165-Dr. Herbert Habeeb, 217 Golden West Boulevard, Ojai, California, 93023.

Hydrachnella

166-Dr. Kerwin E. Hyland, Department of Zoology, University of Rhode Island, Kingston, Rhode Island 02881

Mesostigmata
Rhinonyssidae
TROMBIDIOIDEA
Trombiculidae

167-Dr. R. W. Strandtmann, Department of Biology, Texas Technological College, Lubbock, Texas.

Parasitic Mesostigmata
Antarctic Prostigmata

168-Dr. James L. Wilson, University of Tennessee, Nashville Center, 810 Broadway, Nashville, Tennessee 37203.

Hydrachnella

169-Dr. A. T. Bagdasarian, Institute of Zoology, Academy of Sciences of Armenian S.S.R., Gastello Street, Erevan 14, Armenia, U.S.S.R.

ERIOPHYOIDEA
TETRANYCHOIDEA
Tetranychidae

170-Dr. Nina G. Bregetova, Zoological Institute of the Academy of Sciences of the U.S.S.R., Leningrad B-164, U.S.S.R.

Parasitic mesostigmata

171-Dr. E. M. Bulanova-Zachvatkina, Katedra Entomologii Faculty of Biology and Soil Science, Moscow State University, Moscow W-234, U.S.S.R.

Soil Prostigmata
Oribatei

172-Dr. H. V. Dubinina, Zoological Institute of the Academy of Sciences, Leningrad B-164, U.S.S.R.

LISTROPHOROIDEA

173-Dr. N. A. Filippova, Zoological Institute of the Academy of Sciences, Leningrad B-164, U.S.S.R.

IXODOIDEA

174-Dr. I. G. Galuzo, Institute of Zoology, Academy of Sciences of Kazakh S.S.R., Alma-Ata, 65, U.S.S.R.

IXODOIDEA

175-Dr. I. V. Nikitina, Department of Medical Entomology of the Institute of Medical Parasitology and Tropical Medicine, U.S.S.R. Ministry of Public Health, M. Pirogowskaja 20, Moscow G-435, U.S.S.R.

IXODOIDEA

Ixodidae: Dermacentor

176-Dr. I. I. Nikolaeva, Zoological Institute of the Academy of Sciences, Leningrad B-164, U.S.S.R.

Mesostigmata
Speleognathidae
TETRANYCHOIDEA
Tetranychidae

177-Dr. A. D. Petrova, Lomonosov State University, Faculty of Biology and Soil Science, Moscow, V-234, U.S.S.R.

IXODOIDEA

178-Dr. M. V. Pospelova-Shtrom, Entomological Section, Institute of Malaria and Medical Parasitology, Varshavskoe shosse 5, Moscow W-105, U.S.S.R.

IXODOIDEA

179-Dr. Hans F. Reck, Institute of Zoology, Academy of Sciences of Georgian S.S.R., I. Chavchavadze Avenue 31, Tiflis 30, Georgia, U.S.S.R.

TETRANYCHOIDEA

180-Dr. E. G. Schulger, Institut Gamalei, Academy Med. Nauk, Parasitological Section, ul. Gamalei 2, Moscow D-182, U.S.S.R.

ERYTHRAEOIDEA
Erythraeidae
TROMBIDIOIDEA
Trombiculidae

181-Dr. V. G. Shevtshenko, Biology Faculty, Leningrad State University, Leningrad B-164, U.S.S.R.

ERIOPHYOIDEA

182-Dr. L. G. Sitnikova, Zoological Institute of the Academy of Sciences, Leningrad B-164, U.S.S.R.

Oribatei

183-Dr. V. I. Volgin, Zoological Institute of the Academy of Sciences, Leningrad B-164, U.S.S.R.

CHEYLETOIDEA
ACAROIDEA

184-Dr. B.A. Wainstein, P.O. Borok, Nekouz, Yaroslavl, U.S.S.R.

Mesostigmata
Phytoseiidae
TETRANYCHOIDEA
Tenuipalpidae
Tetranychidae
Hydrachnellaee

185-Dr. A. A. Zemskaya, The Gamaleya Institute of Epidemiology and Microbiology, U.S.S.R., AMS, Department of Natural Foci Infections, Gamaleya str. 18, Moscow D-98, U.S.S.R.

Parasitiformes

186-Dr. C. E. Machado-Allison, Department of Microbiology and Parasitology, Escuela de Biología, Universidad Central de Venezuela, Caracas, Venezuela.

Parasitic mesostigmata

187-Director, the South African Museum, P. O. Box 61, Capetown, Republic of South Africa.

IXODOIDEA
Nuttalliellidae-T

188-Dr. Carlos Pérez-Iñigo, Instituto Español de Entomología, Calle de J. Gutiérrez Abascal, 2, Madrid (6)
Spain.

Mesostigmata	Oribatei Circumdehiscentiae	Microzetidae-D
GAMASINA-U	NEOLIOODOIDEA	Opiidae-T,D,U
Prostigmata-U	Neolioididae-D	Otocepheidae-T
Acaridei-U	ZETORCHESTOIDEA	Suctobelidae-D
Oribatei	Zetorchestidae-D	Thyrisomidae-D
Oribatei Inferiores	EREMAEAOIDEA	Trizetidae-D
PALEACAROIDEA	Eremaeidae-T,D	PORONOTICAE
Ctenacaridae-D	HERMANIELLOIDEA	LOWER PLICATES
ENARTHRONOTA	Hermannielidae-D	Ameronothridae-D
Brachychthoniidae-D	PLATEREMAEOIDEA	Cymbaeremaeidae-D
Cosmochthoniidae-D	Licnobelbidae-T	Micreremidae-D
Hypochthoniidae-D	Licnodamaeidae-D	Passalozetidae-T,D
Sphaerochthoniidae-D	AMEROBELBOIDEA	Scutoverticidae-D
PHTHIRACAROIDEA	Ameridae-U	Tectocepheidae-D
Euphthiracaridae-T,D	Amerobelbidae-D	HIGHER PLICATES
Phthiracaridae-T,D	Ctenobelbidae-D	Achipteriidae-T
LOHMANNIOIDEA	Damaeolidae-D	Phenopelopidae-T,D
Epilohmanniidae-D	Eremulidae-D	APOPHEREDERMES
Lohmanniidae-T,D	UNGROUPED FAMILIES	Oribatellidae-T,D
NOTHROIDEA	Autogentidae-T	EXCENTROSCLEROSAE
Camisiidae-T,D	Caleremaeidae-D	Haplozetidae-T,D
Hermanniiidae-D	Carabodidae-T,D	Oribatulidae-T,D
Malaconothridae-D	Cepheidae-D	Parakalummidae-T
Nanhermanniidae-D	Ceratoppiidae-D	MACROSCLEROSAE
Nothridae-D	Damaeidae-T,D	Ceratozetidae-T,D
Trhypochthoniidae-D	Dampfiellidae-U	Chamobatidae-D
	Gustaviidae-T,D	Euzetidae-D
	Hydrozetidae-D	Galumnidae-T,D
	Liacaridae-T,D	Mycobatidae-T,D
	Limmozetidae-D	

189-Dr. David Barr, Department of Entomology and Invertebrate Zoology, Royal Ontario Museum, 100 Queen's Park, Toronto, Ontario M5S 2C6, Canada.

Hydrachnellae

III. GEOGRAPHIC INDEX OF PARTICIPANTS

The numbers entered under the names of countries refer to the collections found in Section II, pages 22-77.

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IV. ALPHABETIC INDEX OF PARTICIPANTS

The number in parentheses () designates the collection, and the second number indicates the page listing that collection. If two or more acarologists are located at the same institution, then all individuals (where known to me) were listed herein.

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